BOARD OF WATER RESOURCES

BOARD MEETING

Salt Lake City

JUNE 29, 2023

PLAN

CONSERVE

DEVELOP

PROTECT

Division of Water Resources 1594 West North Temple, #310 SLC, Utah 84114-6201

2023 Board Meeting Schedule

January

S	M	T	W	T	F	S
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February

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March

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June

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November

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December

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June 29 Salt Lake City
August 10 TBD
October 5 Salt Lake City

December 5 (Tues) Salt Lake City

Agenda
Utah Board of Water Resources
Board Briefing Meeting

June 29, 2023
10:00 am

I.WELCOME/CHAIR'S REPORT
*Chair Juliette Tennert

II.DISCUSSION OF BOARD AGENDA ITEMS
(See Board Meeting Agenda)

III.INFORMATION TO THE BOARD

IV.OTHER ITEMS TO DISCUSS

Agenda
Utah Board of Water Resources
Board Meeting
June 29, 2023
10:00 AM Briefing
1:00 PM Board Meeting
Department of Natural Resources Auditorium
1594 W. North Temple, Salt Lake City
Link to presentations and public comment form:
https://water.utah.gov/comments/
Livestream Links:
Briefing Meeting: https://youtube.com/live/OfGWFbLzaRk
Board Meeting: https://youtube.com/live/LF142_AR5jQ

APPROVAL OF MINUTES

WATER SUPPLY UPDATE:
Laura Haskell

Project No.	Applicant	County	Project Manager
FEASIBILITY REPORTS:			
RE469	Grantsville Irrigation Company	Tooele	Russell Hadley
COMMITTAL OF FUNDS:			
RM040	Coalville City	Summit	Russell Hadley
RM042	Hooper Irrigation Company	Davis	Russell Hadley
RM102	Tremonton City	Box Elder	Russell Hadley
RM104	Mountain Green Secondary Water Company	Morgan	Russell Hadley
RM101	Mapleton City	Utah	Ann Baynard
RM103	Grantsville Irrigation Company	Tooele	Ann Baynard
RM109	Springville City	Utah	Ann Baynard
RM035	Centerfield City	Sanpete	Ben Marett
RM059	Moroni City	Sanpete	Ben Marett
RM100	Saratoga Springs City	Utah	Ben Marett
RM106	Roosevelt City	Duchesne	Ben Marett
RM108	Spanish Fork City	Utah	Ben Marett
RM105	Payson City	Utah	Tom Cox
RM107	Santaquin City	Utah	Tom Cox
SPECIAL ITEMS:			
RE470	Eden Water Works Co. (Auth & Committal)	Weber	Tom Cox
NEW APPLICATIONS:			
RE471	Woodland South Hills Irrigation Company	Wasatch	Russell Hadley

SECONDARY METERING ARPA FUNDING PRIORITIZATION:
Marisa Egbert

LANDSCAPE CONVERSION INCENTIVE PROGRAM REPORT:
Shelby Ericksen

DIRECTOR'S REPORT:
Candice Hasenyager

ADJOURNMENT

BOARD OF WATER RESOURCES

REVOLVING CONSTRUCTION FUND

Funding Status
June 29, 2023

Funds Available for Projects This FY				$ 27,042,000	
Projects Contracted This FY					
1 Consolidated Sevier Bridge Reservoir Co	RC023	**Grant	$ 17,100,000	(Add'l Amt.)	07/01/22
2 Consolidated Sevier Bridge Reservoir Co	RC023	**Grant	6,300,000	(Add'l Amt.)	06/06/23
3 Ferron Canal & Reservoir Co	RC057	**Grant	4,360,000	(Add'l Amt.)	06/02/23
4 Hodges Irrigation Company	RE459		370,000		11/28/22
5 Twin Creeks Special Service District	RC067	**Grant	400,000		03/01/23
Total Funds Contracted				$ 28,530,000	
Funds Balance				$ (1,488,000)	
Projects with Funds Committed					
1 Ashley Central Irrigation Company	RE427		$ 1,000,000		10/28/21
2 Huntsville South Bench Canal Co	RE453		224,500		12/07/21
3 Newton Water Users Association	RE461		618,000		01/19/23
4 Washington County Flood Contr. Auth. (Warner)	RC049	**Grant	212,000		03/22/17
5 Washington County Flood Contr. Auth. (Stucki)	RC050	**Grant	88,400		03/22/17
6 West Milburn Irrigation Company	RE442		335,000		10/08/20
Total Funds Committed				$ 2,478,000	
Funds Balance				$ (3,966,000)	
Projects Authorized					
1 None			$ -		
Total Funds Authorized				$ -	
Remaining Funds Available	(End of year balance if all listed projects were fully paid)			$ (3,966,000)	

* To be presented at Board Meeting
** Dam Safety Projects

BOARD OF WATER RESOURCES

CITIES WATER LOAN FUND

Funding Status
June 29, 2023

Funds Available for Projects This FY			$ 17,038,000	
Bonds Closed This FY				
1 None		$ -		
Total Bonds Closed			$ -	
Funds Balance			$ 17,038,000	
Projects with Funds Committed				
1 None		$ -		
Total Funds Committed			$ -	
Funds Balance			$ 17,038,000	
Projects Authorized				
1 Millville City	RL587	$ 1,598,000		12/05/19
Total Funds Authorized			$ 1,598,000	
Remaining Funds Available	(End of year balance if all listed projects were fully paid)		$ 15,440,000	

* To be presented at Board Meeting

BOARD OF WATER RESOURCES

CONSERVATION & DEVELOPMENT FUND

Funding Status
June 29, 2023

Funds Available for Projects This FY					$ 156,155,000	
Projects Contracted/Bonds Closed This FY						
1	Bountiful Irrigation District	RM007	**	$ 3,643,000		11/10/22
2	Cedar Hills (City of)	RM004	**	655,000		03/02/23
3	Davis & Weber Counties Canal Company	RM003	**	3,643,000		10/05/22
4	Gunnison City	RM028	**	1,030,000		06/06/23
5	Hurricane City	RM073	**	703,000		12/15/22
6	Kanab Irrigation Company	RM046	**	162,000		03/16/23
7	Layton City	RM011	**	1,821,000		03/09/23
8	Lehi City	RM001	**	3,643,000		11/15/22
9	Pleasant Grove City	RM043	**	3,825,000		05/16/23
10	Provo City	RE441		36,750,000		04/17/23
11	Roy Water Conservancy District	RM006	**	3,643,000		12/15/22
12	South Ogden Conservation District	RM020	**	3,643,000		02/16/23
13	South Weber Water Improvement District	RM009	**	933,000		02/16/23
14	Springdale Consolidated Irrigation Company	RM068	**	190,000		02/01/23
15	Weber-Box Elder Conservation District	RM019	**	3,643,000		10/27/22
16	West Cache Irrigation Co	RE454		1,318,000		03/20/23
17	Willow Creek Irrigation Company	RE444		201,000		05/11/23
	Total Funds Contracted/Closed				$ 69,446,000	
	Funds Balance				$ 86,709,000	
Projects with Funds Committed						
1	Annabella (Town of)	RM026	**	$ 113,000		05/11/23
2	Benchland Water District	RM065	**	2,440,000		05/11/23
* 3	Centerfield City	RM035	**	577,000		06/29/23
4	City of South Salt Lake	RE458		8,500,000		08/04/22
* 5	Coalville City	RM040	**	332,000		06/29/23
6	Consolidated Sevier Bridge Reservoir Co	RC023		700,000	(Add'l Amt.)	05/11/23
7	Davis & Weber Counties Canal Company	RE462		2,000,000		03/22/23
8	Draper Irrigation Co (Phase 1)	RE450		6,435,000		05/11/23
* 9	Eden Water Works Company	RE470		1,700,000		06/29/23
10	Haights Creek Irrigation Company	RM012	**	1,822,000		10/27/22
11	Heber City	RM038	**	1,875,000		03/22/23
12	Henefer Town	RE431		2,157,000		05/11/23
* 13	Hooper Irrigation Company	RM042	**	798,000		06/29/23
* 14	Moroni City	RM059	**	346,000		06/29/23
15	Mountain View Irrigation Company	RM033	**	743,000		12/06/22
16	Newton Water Users Association	RM044	**	92,000		09/15/22
17	North Summit Pressurized Irrigation Company	RM055	**	213,000		09/15/22
18	Richmond Irrigation & Power Company	RM010	**	606,000		10/27/22
19	Smithfield Irrigation Company	RM054	**	1,020,000		09/15/22
20	Summit Creek Irrigation and Canal Co (Phase 4)	RE308		373,700		05/11/23
21	Wellington City	RM058	**	484,000		03/22/23
22	Wolf Creek Irrigation Company	RM067	**	132,600		05/11/23

	Total Funds Committed				$ 33,459,000	
	Funds Balance				$ 53,250,000	

Projects Authorized

1	Box Elder Cnty & Perry City Flood Control Dist	RE369	$ 660,000		06/18/15
2	Davis & Weber Counties Canal Company	RE460	1,530,000		12/06/22
3	Draper Irrigation Co (Phases 2 & 3)	RE450	12,265,000		09/16/21
* 4	Grantsville Irrigation Company	RE469	1,496,000		06/29/23
5	Veyo Culinary Water Association	RE445	969,000		03/17/21
6	Weber-Box Elder Cons Dist	RE400	1,687,000		08/10/17
7	Woodruff Irrigating Co	RE365	3,200,000		03/18/15
	Total Funds Authorized			$ 21,807,000	
	Funds Balance			$ 31,443,000	

Secondary Meter Projects Authorized

1	17th North Water Users	RM066	**	$ 99,500		08/04/22
2	Ashley Central Irrigation Company	RM099	**	33,400		03/22/23
3	Bloomington Water Company	RM093	**	365,000		03/22/23
4	Centerville Deuel Creek Irrigation Company	RM056	**	2,199,000		03/22/23
5	Corn Creek Irrigation Company	RM094	**	304,000		03/22/23
6	Cottonwood Gooseberry Irrigation Company	RM095	**	840,000		03/22/23
7	Fillmore Water Users Association	RM089	**	395,000		03/22/23
8	Fountain Green Irrigation Co	RM049	**	303,000		08/04/22
9	Glenwood Irrigation Company	RM088	**	280,000		03/22/23
10	Horseshoe Irrigation Company	RM032	**	259,000		08/04/22
11	Liberty Irrigation Association	RM041	**	204,000		01/19/23
12	Loa Town	RM075	**	97,000		08/04/22
13	Manti City Creek WUMA	RM034	**	956,000		08/04/22
14	Mayfield Irrigation Company	RM036	**	253,000		08/04/22
15	Minersville Reservoir and Irrigation Company	RM098	**	182,000		03/22/23
16	Monroe City	RM092	**	780,000		03/22/23
17	Morgan Secondary Water Association	RM086	**	640,000		03/22/23
18	Mt. Pleasant City	RM085	**	729,000		03/22/23
19	Nephi Irrigation Company	RM062	**	350,000		08/04/22
20	Newton Town Sprinkling Company	RM045	**	132,000		08/04/22
21	North Logan Sprinkling Company	RM030	**	61,000		08/04/22
22	Panguitch City	RM096	**	472,000		03/22/23
23	Paradise Irrigation & Reservoir Company	RM064	**	695,000		08/04/22
24	Richards Irrigation Company	RM051	**	145,000		08/04/22
25	Sand Creek Irrigation Company	RM097	**	107,000		03/22/23
26	South Davis Water District	RM022	**	1,317,000		08/04/22
27	Wanship Irrigation Company #2	RM087	**	130,000		03/22/23
	Total Funds Authorized				$ 12,328,000	
	Remaining Funds Available	(End of year balance if all listed projects were fully paid)			$ 19,115,000	

* To be presented at Board Meeting
** Secondary Meter Projects

BOARD OF WATER RESOURCES

SMALL SYSTEM SECONDARY METER GRANT FUNDS

Funding Status
June 29, 2023

Funds Available for Projects This FY			$ 2,795,000	
Projects Contracted This FY				
1 Heber City	RE465	$ 145,000		04/27/23
2 Pleasant Grove City	RE466	500,000		05/19/23
Total Funds Contracted			$ 645,000	
Funds Balance			$ 2,150,000	
Projects with Funds Committed				
1 Centerville Deuel Creek Irrigation Company	RE464	$ 1,034,000		03/22/23
Total Funds Committed			$ 1,034,000	
Funds Balance			$ 1,116,000	

* To be presented at Board Meeting

BOARD OF WATER RESOURCES

ARPA SECONDARY METER GRANT FUNDS

Funding Status
June 29, 2023

Funds Available for Projects This FY	$ 250,000,000

Projects Contracted This FY

1	Annabella Town	RM026	$ 475,000	10/14/22
2	Benchland Water District	RM065	5,000,000	03/15/23
3	Birch Creek Irrigation Company	RM057	270,000	01/09/23
4	Bluffdale (City of)	RM053	1,063,000	10/14/22
5	Bountiful Irrigation District	RM007	10,000,000	10/14/22
6	Browns Meadow Irrigation Association	RM013	189,000	10/14/22
7	Cedar Hills (City of)	RM004	1,520,000	10/12/22
8	Center Creek Irrigation Co	RM079	168,000	06/06/23
9	Centerfield City	RM035	1,102,000	03/20/23
10	Daniel Irrigation Co	RM080	396,000	05/25/23
11	Davis & Weber Counties Canal Company	RM003	10,000,000	10/05/22
12	Draper Irrigation Company	RM049	555,000	10/06/22
13	Extension Irrigation Co	RM081	28,000	02/22/23
14	Fruit Heights City	RM061	196,000	04/27/23
15	Green Belt Irrigation Company	RM025	50,400	11/08/22
16	Green Canyon Sprinkler Co	RM072	389,000	02/08/23
17	Gunnison City	RM028	2,828,000	03/03/23
18	Haights Creek Irrigation Company	RM012	5,000,000	01/27/23
19	Heber City	RM038	5,000,000	03/28/23
20	Highland (City of)	RM016	5,000,000	12/08/22
21	Hurricane City	RM073	1,967,000	05/01/23
22	Hyrum City	RM008	5,000,000	10/12/22
23	Kanab Irrigation Company	RM046	445,000	02/21/23
24	Layton City	RM011	5,000,000	11/08/22
25	Lehi City	RM001	10,000,000	11/08/22
26	Lindon City	RM039	758,000	11/01/22
27	Manti City Creek WUMA	RM034	2,623,000	12/07/22
28	Mayfield Irrigation Company	RM036	696,000	11/21/22
29	Moroni City	RM059	949,000	03/16/23
30	Mountain View Irrigation Company	RM033	2,039,000	01/24/23
31	North Dry Creek Irrigation Company	RM018	168,700	11/28/22
32	North Park Irrigation Company	RM015	245,000	02/22/23
33	Pleasant Grove City	RM043	10,000,000	04/20/23
34	Richards Irrigation Company	RM051	398,000	10/31/22
35	Richmond Irrigation & Power Company	RM010	1,663,000	10/14/22
36	Riverton City	RM023	8,806,000	10/17/22
37	Roy Water Conservancy District	RM006	10,000,000	10/25/22
38	Sage Brush Irrigation Company	RM084	35,000	02/08/23
39	Smithfield City	RM021	287,000	11/10/22
40	South Davis Water District	RM022	3,615,000	03/10/23
41	South Despain Ditch Company	RM017	345,800	04/20/23
42	South Ogden Conservation District	RM020	10,000,000	10/17/22
43	South Weber Irrigation Company	RM052	934,000	10/20/22
44	South Weber Water Improvement District	RM009	2,562,000	11/14/22
45	Spring Creek Irrigation Co	RM083	78,400	01/27/23
46	Springdale Consolidated Irrigation Company	RM068	417,000	12/30/22

47	Syracuse City	RM029	10,000,000		03/22/23
48	Timpanogos Canal Company	RM060	287,000		05/08/23
49	Upper East Union Irrigation Company	RM031	210,000		02/24/23
50	Wasatch Irrigation Company	RM082	217,000		02/22/23
51	Weber Basin Water Conservancy District	RM005	10,000,000		10/31/22
52	Weber-Box Elder Conservation District	RM019	10,000,000		10/17/22
53	Wellington City	RM058	1,328,000		03/05/23
54	Willow Creek Irrigation Company	RM050	273,000		03/20/23
55	Wolf Creek Irrigation Company	RM067	364,000		03/27/23
	Total Funds Contracted			$ 160,940,000	
	Funds Balance			$ 89,060,000	

Projects with Funds Committed

1	17th North Water Users	RM066	$ 273,000		08/04/22
2	American Fork City	RM002	6,559,000		08/04/22
3	Ashley Central Irrigation Company	RM099	91,700		03/22/23
4	Bloomington Water Company	RM093	1,002,000		03/22/23
5	Castle Valley Special Service District	RM027	5,000,000		08/04/22
6	Center Hyde Park Water Pipeline Company	RM063	91,000		08/04/22
7	Centerville Deuel Creek Irrigation Company	RM056	5,000,000		08/04/22
8	Charleston Irrigation Co	RM078	231,000		10/27/22
9	Coalville City	RM040	910,000		08/04/22
10	Corn Creek Irrigation Company	RM094	834,000		03/22/23
11	Cottonwood Gooseberry Irrigation Company	RM095	2,305,000		03/22/23
12	Fillmore Water Users Association	RM089	1,085,000		03/22/23
13	Fountain Green Irrigation Company	RM049	832,000		08/04/22
14	Glenwood Irrigation Company	RM088	770,000		03/22/23
15	Hooper Irrigation Company	RM042	2,191,000		08/04/22
16	Horseshoe Irrigation Company	RM032	710,000		08/04/22
17	Leeds Water Company	RM069	364,000		08/04/22
18	Liberty Irrigation Association	RM041	560,000		08/04/22
19	Loa Town	RM075	266,000		08/04/22
20	Magna Water District	RM091	350,000		03/22/23
21	Minersville Reservoir and Irrigation Company	RM098	500,000		03/22/23
22	Monroe City	RM092	2,022,000		03/22/23
23	Morgan Secondary Water Association	RM086	1,757,000		03/22/23
24	Mt. Pleasant City	RM085	2,002,000		03/22/23
25	Newton Town Sprinkling Company	RM045	360,000		08/04/22
26	Newton Water Users Association	RM044	252,000		08/04/22
27	North Summit Pressurized Irrigation Company	RM055	584,000		08/04/22
28	Panguitch City	RM096	1,295,000		03/22/23
29	Paradise Irrigation & Reservoir Company	RM064	1,908,000		08/04/22
30	Salem City	RM077	2,590,000		01/19/23
31	Sand Creek Irrigation Company	RM097	294,000		03/22/23
32	Settlement Canyon Irrigation Company	RM037	490,000		08/04/22
33	Smithfield Irrigation Company	RM054	2,800,000		08/04/22
34	Springdale, Town of	RM076	90,000		10/27/22
35	Wanship Irrigation Company #2	RM087	357,000		03/22/23
	Total Funds Committed			$ 46,726,000	
	Funds Balance			$ 42,334,000	

Projects Authorized

1	Johnson Park Pipeline Company	RM024	$ 114,800		08/04/22
2	Nephi Irrigation Company	RM062	959,000		08/04/22
3	North Logan Sprinkling Company	RM030	168,000		08/04/22
	Total Funds Authorized			$ 1,242,000	
	Funds Balance			$ 41,092,000	

* To be presented at Board Meeting

BOARD OF WATER RESOURCES

ARPA WATER CONSERVATION PROJECT GRANT FUNDS

Funding Status
June 29, 2023

Funds Available for Projects This FY			$18,000,000	
Projects Contracted This FY				
1 None		$ -		
Total Funds Contracted			$ -	
Funds Balance			$18,000,000	
Projects with Funds Committed				
* 1 Grantsville Irrigation Company	RM103	$ 2,000,000		06/29/23
* 2 Mapleton City	RM101	2,000,000		06/29/23
* 3 Mountain Green Secondary Water Company	RM104	301,000		06/29/23
* 4 Payson City	RM105	2,000,000		06/29/23
* 5 Roosevelt City	RM106	2,000,000		06/29/23
* 6 Santaquin City	RM107	1,690,000		06/29/23
* 7 Saratoga Springs	RM100	2,000,000		06/29/23
* 8 Spanish Fork City	RM108	2,000,000		06/29/23
* 9 Springville City	RM109	2,000,000		06/29/23
* 10 Tremonton City	RM102	2,000,000		06/29/23
Total Funds Committed			$ 17,991,000	
Funds Balance			$9,000	

* To be presented at Board Meeting

BOARD OF WATER RESOURCES

June 29, 2023

ADDITIONAL FUTURE FUNDING NEEDS

	Sponsor	No.	Fund	Est. Board Cost	Total Cost	
1	Bear River Canal Company	RE467	RCF	$ 245,000	$ 500,000	01/19/23
2	Coyote & East Fork Irrigation Co	RE411	RCF	722,500	1,700,000	08/09/18
3	Ferron Canal & Reservoir Co	RE320	C&D	2,720,000	3,200,000	10/11/12
4	Glendale Irrigation Co	RE408	C&D	1,109,000	1,305,000	02/08/18
5	Glenwood Town (NRCS Dam Safety Grant)	RC056	RCF	969,000	3,568,000	05/10/18
6	Hooper Irrigation Co (Press Irr, Ph 3+)	RE060R3	C&D	11,033,000	12,980,000	01/25/02
7	Liberty Pipeline Co	RE468	C&D	1,700,000	3,550,000	02/10/23
8	Morgan City	RL589	CWL	2,552,000	6,004,200	08/19/22
9	Sanpete WCD (Narrows Dam)	RD377	C&D	29,325,000	34,500,000	04/07/83
10	Settlement Canyon Irrigation Co (Phase 2)	RE240	C&D	552,500	650,000	10/02/08
11	Uintah WCD	RE316	C&D	36,550,000	43,000,000	10/10/13
12	Weber Basin WCD	RE312	C&D	85,000,000	100,000,000	04/16/12
13	Wellsville-Mendon Conservation District	RE364	C&D	680,000	800,000	03/18/15
* 14	Woodland South Hills Irrigation Co	RE471	RCF	370,000	435,000	06/01/23
	Subtotal			$ 173,528,000	$ 212,192,000	

* New Application

BOARD OF WATER RESOURCES
Feasibility Report

Grantsville Irrigation Company

Applicant:

Project Number: RE469
Fund: Conservation and Development Fund
Cost Estimate: $1,760,000

Application Received: 4/2/2023
Board Meeting Date: 6/29/2023

Board Member: Juliette Tennert
Project Manager: Russell Hadley

Project Summary: The purpose of the project is to replace three pressure reducing valve stations, construct above-ground vault buildings, install power supplies, and appurtenances.

Recommendation: Staff recommends the Board authorize 85% of the project cost, up to $1,496,000, and that the project be purchased at 1% interest, over 30 years, with annual payments of approximately $58,000.

Project Contacts:

President:
Gene Marshall
384 S. Quirk Street
Grantsville, UT 84029
435-830-3175

Secretary:
Sunnie Titmus
PO Box 922
Grantsville, UT 84029
435-830-2146

Engineer:
Judd Lawrence
Bingham Engineering
262 N. Wright Brothers Drive
Suite 120
Salt Lake City, UT 84116
801-580-1687

Location

The proposed project is located in and around Grantsville City in Tooele County.

Introduction & Background

The Applicant supplies irrigation water to about 1,835 agricultural acres and approximately 2,136 secondary connections. Water is obtained from several creeks, stored in Grantsville Reservoir (3,500 acre-feet) and a small 25-acre-foot head pond, and distributed through pipelines sized 4" to 24". There are two pressure zones in the system, a high-pressure and a low-pressure zone.

The Applicant is currently repaying two projects to the Board. In 1983, the Board funded a project to construct Grantsville Reservoir and related transmission lines. In 2001, the Board funded a project to replace 4,000 feet of transmission line. The final repayments for both projects will be in 2054 (31 years).

Existing Conditions & Problems

The Applicant's high-pressure zone necessitates numerous pressure-reducing valves (PRVs). Three of those PRV stations have had numerous maintenance and performance problems. When the PRV's hydraulically activated valves malfunction ("stick"), farm risers and lines blow out. When the PRV at the top of the system malfunctions, it causes a chain reaction on the lower PRVs. This can cause pressure spikes of up to 300 psi in the lower elevation pipes and PRVs. One of the lower PRV stations (PRV #3) blew out from a pressure spike and nearly flooded homes downstream. The Applicant rebuilds the problematic PRVs every two years during the offseason; however, the PRVs continue to malfunction.

If a large transmission line running through a subdivision were to blow out, significant damage could occur. There are also safety concerns about working in the underground concrete vaults. Space is limited inside the vaults to make repairs and the weight of the various valve parts make it difficult to safely remove and replace them.

Proposed Project

The Applicant is requesting funding from the Board to replace three PRV vaults with above-ground buildings, manifolds, isolation valves, telemetry controls and monitoring, and refurbishing the existing PRVs. The hydraulic operation systems will be replaced with electrical operation systems and telemetry to control and monitor them. Overhead access and cranes will be available to safely pull valves out when needed.

A future head pond is planned below PRV #1 to reduce the pressure fluctuations on the lower system. While the pond is not part of this funding request, the installation of a pipeline to supply the future pond will be installed as part of this project.

Engineering services will be provided by Bingham Engineering.

Benefits

Construction of the project will make the operation and maintenance of the system safer and more manageable for employees. It will also increase safety for surrounding neighborhoods and reduce the Applicant's liability for possible flood damage.

Cost Estimate

The following cost estimate is based on the engineer's preliminary design and has been reviewed by staff:

Item	Description	Quantity	Unit	Unit Price	Total
1	Mobilization	LS	LS	$50,000	$50,000
2	**PRV Station #1**				
a	New building and appurtenances	LS	LS	370,000	370,000
b	Telemetry controls, electrical, and powerline	LS	LS	120,000	120,000
c	PRV valve refurbishing	LS	LS	50,000	50,000
d	Isolation valving, manifolds, and appurtenances	LS	LS	132,000	132,000
e	Fencing around structure	LS	LS	26,000	26,000
f	24" pipeline and valving to future pond	LS	LS	124,000	124,000
3	**PRV Station #2**				
a	New building and appurtenances	LS	LS	95,000	95,000
b	Telemetry controls, electrical, and solar power	LS	LS	35,000	35,000
c	PRV valve refurbishing	LS	LS	10,000	10,000
d	Isolation valving, manifolds, and appurtenances	LS	LS	52,000	52,000
e	Fencing around structure	LS	LS	5,000	5,000
4	**PRV Station #3**				
a	New building and appurtenances	LS	LS	120,000	120,000
b	Telemetry controls, electrical, and solar power	LS	LS	55,000	55,000
c	PRV valve refurbishing	LS	LS	15,000	15,000
d	Isolation valving, manifolds, and appurtenances	LS	LS	126,000	126,000
e	Fencing around structure	LS	LS	10,000	10,000
				Construction Cost	**$1,395,000**
				Contingency	139,500
				Design & Construction Engineering	196,000
				Legal and Administrative	19,500
				Permits, Fees & Testing	10,000
				TOTAL	**$1,760,000**

Cost Sharing & Repayment

The recommended cost sharing and repayment are:

Agency	Cost Sharing	% of Total
Board of Water Resources	$1,496,000	85%
Applicant	264,000	15
TOTAL	**$1,760,000**	**100%**

Staff recommends the Board authorize 85% of the project cost, up to $1,496,000, and that the project be purchased at 1% interest, over 30 years, with annual payments of approximately $58,000.

Economic Feasibility

There is no viable alternative for this project; therefore, the benefit/cost ratio is assumed to be 1.0.

Financial Feasibility

The company has about 10,200 total shares, irrigating about 1,835 agricultural acres, and about 2,140 residential secondary connections.

The agricultural users are assessed $25/share and three shares are needed for one acre. No crop yield increases are expected for the agricultural users. However, the annual cost for operation and maintenance (O&M) is expected to be reduced by about $4,300.

The Board's affordability guideline indicates that Grantsville residential customers could pay up to $66.26/month for each connection for water. The current average monthly culinary water bill from the city is approximately $27.48/month. The secondary irrigation assessment is about $350 annually per connection, about $29.17/month.

The average monthly cost for all water for the residential secondary connections is as follows:

Water Cost	Annual Cost	Cost/Conn/Mo
Average Culinary Water Bill	$704,367	$27.48
Average Secondary Water Assessment	747,685	29.17
TOTAL	**$1,452,052**	**$56.65**

As shown, the average monthly water bill for the residential secondary irrigation users is below the Board's affordability guideline of $66.26/month.

Water Rights & Supply

The following list of water rights are used in the system and are already in the name of the Board.

Water Right Number	Flow (cfs) and Source
15-502	5.7 (wells)
15-625	44.51 (Davenport and North Willow Creek)
15-627	50 (South Willow Creek)

Easements

The Applicant states that they should have adequate easements necessary to construct and maintain the project. However, some easements may need to be acquired to complete the project.

Environmental

No long-term environmental effects are expected beyond the usual dust and noise of the construction phase.

Water Conservation

The amount of water expected to be conserved by the project is negligible. However, water loss is expected to be reduced as newly installed PRVs function properly, reducing the potential of pipes and risers bursting.

Applicant's Responsibilities

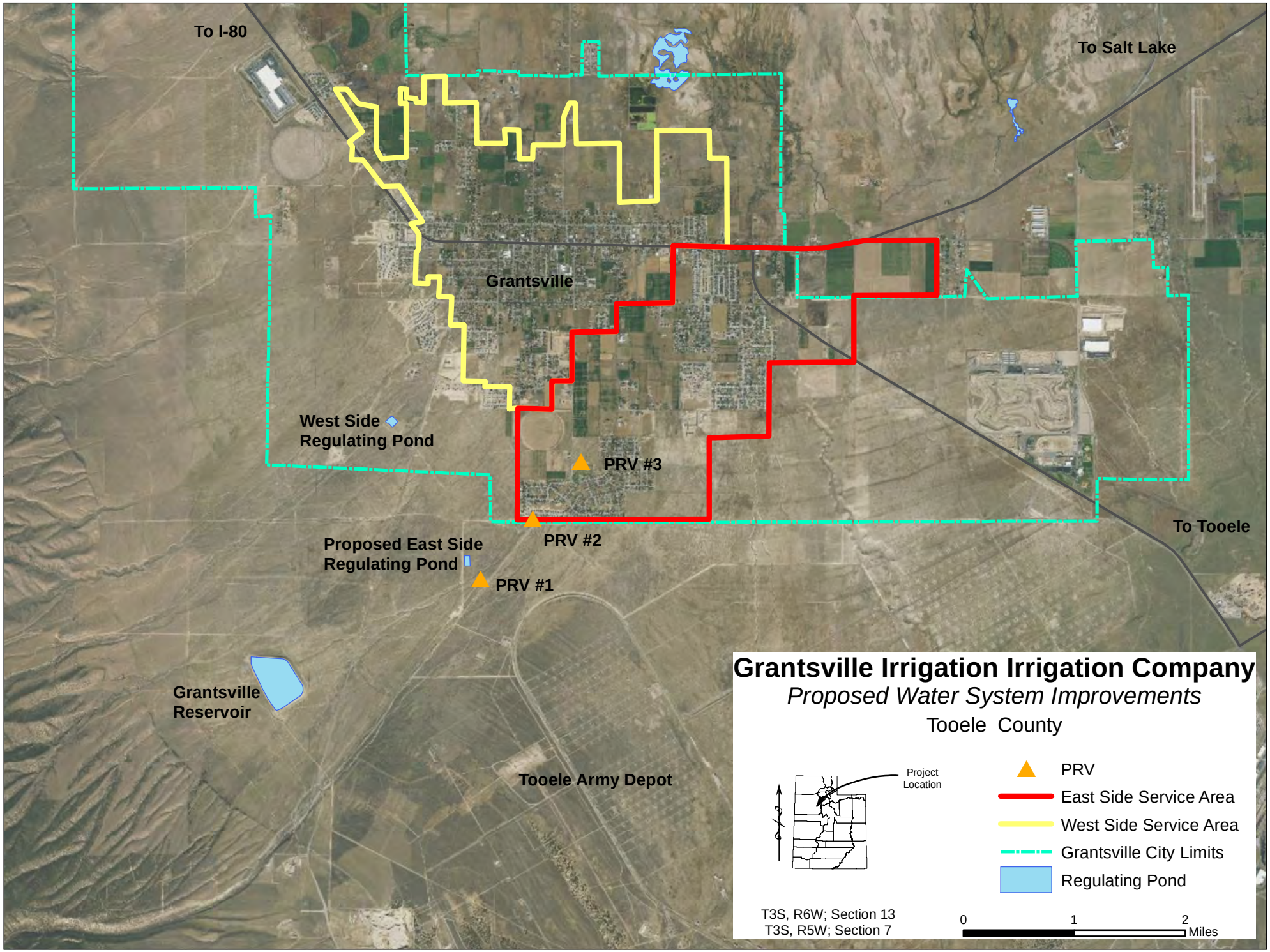
If the Board authorizes the proposed project, the Applicant must do the following before a purchase agreement can be executed:

1. Obtain all easements, rights-of-way, and permits required to construct, operate, and maintain the project.
2. Pass a resolution by the appropriate majority (as defined in the company's Articles of Incorporation and Bylaws) authorizing its officers to do the following:
    a. Assign properties, easements, and water rights required for the project to the Board of Water Resources.
    b. Enter into a contract with the Board of Water Resources for construction of the project and subsequent purchase from the Board.
3. Have an attorney give the Board of Water Resources a written legal opinion that:
    a. The company is legally incorporated for at least the term of the purchase contract and is in good standing with the state Department of Commerce.
    b. The company has legally passed the above resolution in accordance with the requirements of state law and the company's Articles of Incorporation and Bylaws.
    c. The company has obtained all permits required for the project.
    d. The company owns all easements and rights-of-way for the project, as well as the land on which the project is located, and that title to these easements, rights-of-way, and the project itself can be legally transferred to the Board.
    e. The company's water rights applicable to the project are unencumbered and legally

transferable to the Board of Water Resources, and that they cover the land to be irrigated by the project.

f. The company is in compliance with sections 73-10-33, 10-9a-211, and 17-27a-211 of the Utah Code governing management plans for water conveyance facilities.

4. Obtain approval of final plans and specifications from the Division of Water Resources.
5. Submit a water conservation plan for its service area, and obtain approval of it from the Division of Water Resources.
6. Adopt a rule prohibiting its users from irrigating landscapes between the hours of 10:00 a.m. and 6:00 p.m.
7. Pass a resolution requiring all new connections to the secondary irrigation system to install water meters.


To I-80
To Salt Lake
Grantsville
West Side
Regulating Pond
PRV #3
PRV #2
To Tooele
Proposed East Side
Regulating Pond
PRV #1
Grantsville
Reservoir
Tooele Army Depot
Grantsville Irrigation Irrigation Company
Proposed Water System Improvements
Tooele County
Project
Location
PRV
East Side Service Area
West Side Service Area
Grantsville City Limits
Regulating Pond
T3S, R6W; Section 13
T3S, R5W; Section 7
0
1
2
Miles

BOARD OF WATER RESOURCES
Committal of Funds

Coalville City

Applicant:

Project Number: RM040
Fund: Conservation and Development Fund
Total Cost: $1,300,000

Application Received: 5/12/2022
Authorized: 8/4/2022
Board Meeting Date: 6/29/2023

Board Member: Kyle Stephens
Project Manager: Russell Hadley

Project Summary: The purpose of the project is to purchase and install 445 secondary meters.

Recommendation: Staff recommends the Board commit 25.5% of the project cost, up to $332,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years, with annual payments of approximately $26,000 (including reserves).

Project Contacts:

Mayor:
Mark Marsh
PO Box 188
Coalville UT 84017
435-336-5981

City Recorder:
Nachele Sargent
PO Box 188
Coalville UT 84
435-336-5981

Engineer:
Chris Thomsen
JUB Engineering
466 North 900 West
Kaysville, UT 84037
435-640-5946

Location
The proposed project is located in Coalville City in Summit County.

Project Summary
The purpose of the project is to purchase and install 445 secondary meters.

Cost Estimate & Sharing
The cost estimate and sharing remain as authorized:

Agency	Authorized Cost Sharing	% of Total
Board of Water Resources - Loan	$332,000	25.5%
Board of Water Resources - Grant	910,000	70.0
Applicant	58,000	4.5
TOTAL	**$1,300,000**	**100%**

Repayment
Staff recommends the Board commit 25.5% of the project cost, up to $332,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years, with annual payments of approximately $26,000 (including reserves).

BOARD OF WATER RESOURCES
Committal of Funds

Hooper Irrigation Company

Applicant:

Project Number: RM042
Fund: Conservation and Development Fund
Total Cost: $3,130,000

Application Received: 5/12/2022
Authorized: 8/4/2022
Board Meeting Date: 6/29/2023

Board Member: Kyle Stephens
Project Manager: Russell Hadley

Project Summary: The purpose of the project is to purchase and install about 1,010 secondary meters.

Recommendation: Staff recommends the Board commit 25.5% of the project cost, up to $798,000, and that the project be purchased at 1% interest over 15 years, with annual payments of approximately $57,600.

Project Contacts:

President:
Rex Hancock
259 South 4600 West
Ogden, UT 84404
801-540-1436

Secretary:
Michelle Pinkston
5375 South 5500 West
Hooper, UT 84315
801-985-8429

Engineer:
Chris Thomsen
JUB Engineers
466 North 900 West
Kaysville, UT 84037
385-505-1045

Location
The proposed project is located in and around Hooper in Davis County.

Project Summary
The purpose of the project is to purchase and install about 1,010 secondary meters.

The Applicant estimates that approximately 852 acre-feet will be conserved by installation of the meters.

Cost Estimate & Sharing
The cost estimate and sharing remain as authorized:

Agency	Authorized Cost Sharing	% of Total
Board of Water Resources – Loan	$798,000	25.5%
Board of Water Resources - Grant	2,191,000	70.0
Applicant	141,000	4.5
TOTAL	**$3,130,000**	**100%**

Repayment
Staff recommends the Board commit 25.5% of the project cost, up to $798,000, and that the project be purchased at 1% interest over 15 years, with annual payments of approximately $57,600.

BOARD OF WATER RESOURCES
Water Conservation Grant Report

Applicant: **Tremonton City**

Project Number: RM102
Fund: ARPA Grant
Cost Estimate: $2,122,000

Application Received: 2/17/2023
Board Meeting Date: 6/29/2023

Board Member: Charles Holmgren
Project Manager: Russell Hadley

Project Summary: The purpose of the project is to install 22,000 feet of 6-inch and 8-inch secondary water pipeline and appurtenances.

Recommendation: Staff recommends the Board authorize and commit up to $2,000,000 as a Water Conservation grant.

Project Contacts:

Mayor:
Lyle Holmgren
102 South Tremont Street
Tremonton, UT 84337
435-279-4400

City Manager:
Shawn Warnke
102 South Tremont Street
Tremonton, UT 84337
435-257-9504

Engineer:
Chris Breinholt
Jones & Associates
6080 Fashion Point Drive
South Ogden, UT 84403
801-391-0335

Location

The proposed project is located in Tremonton City in Box Elder County.

Project Summary

Utah is one of the driest states in the nation, one of the fastest-growing, and drinking water sources are limited. In addition, potential climate change impacts and the current multi-year drought in Utah threaten water supplies and put public drinking water supplies at risk. Municipalities and water companies need to reduce their water use to stretch their existing drinking water supplies. Many Utah communities also have "secondary" water, typically used to irrigate lawns and gardens. Secondary water is not treated to culinary standards and is utilized throughout the state to protect the drinking water supplies. However, many users waste this precious resource because they do not realize how much they are using. The State of Utah believes that it is critical to invest in water conservation, water metering, and dual water pipe and secondary water distribution systems to protect potable drinking water supplies. This will also help lower the cost of treating drinking water and make it more cost-effective by decreasing the amount of water that needs to be treated to potable standards.

Technology has improved over the last decade and allows for the metering of untreated secondary water. Individual water use cannot be measured without metering, so water suppliers have begun installing meters on their secondary water connections. By educating their customers on their measured use compared to the amount they should be using, suppliers have seen as much as a 20-30% reduction in use. Secondary metering, combined with conservation and education, protects the drinking water supplies and allows drinking water providers to plan for their future growth.

In 2022, the Utah Legislature allocated ARPA funds for secondary water suppliers to purchase and install meters on existing pressurized systems. In 2023, additional funds were allocated by the Legislature for those systems that installed meters prior to May 4, 2022. As indicated in Utah Code 73-10-34.5(7), those systems that have not otherwise received a grant to install secondary meters can receive a grant from the Board for the purpose of conservation; and in an amount not to exceed $2,000,000.

The Applicant began installing meters on their pressurized secondary system in 2018.

The Applicant has about 1,205 secondary connections. All the connections are metered. The average lot size is 0.45 acre, with about 0.23 acre irrigated.

The Applicant is requesting funding to install approximately 22,000 feet of 6-inch and 8-inch pipeline and appurtenances, such as laterals, meters, an additional pump, telemetry work, and electrical work on the city's existing secondary irrigation system. The project will add an additional 280 residential connections, the city cemetery, an elementary school, and a church to the secondary system.

By adding existing culinary residential customers to the secondary irrigation system, the Applicant expects to conserve about 5 acre-feet of water annually upon completion of the project. They expect this result because the pressurized secondary system only delivers water from May 1st to October 1st. Thus, customers cannot irrigate outside of that time frame.

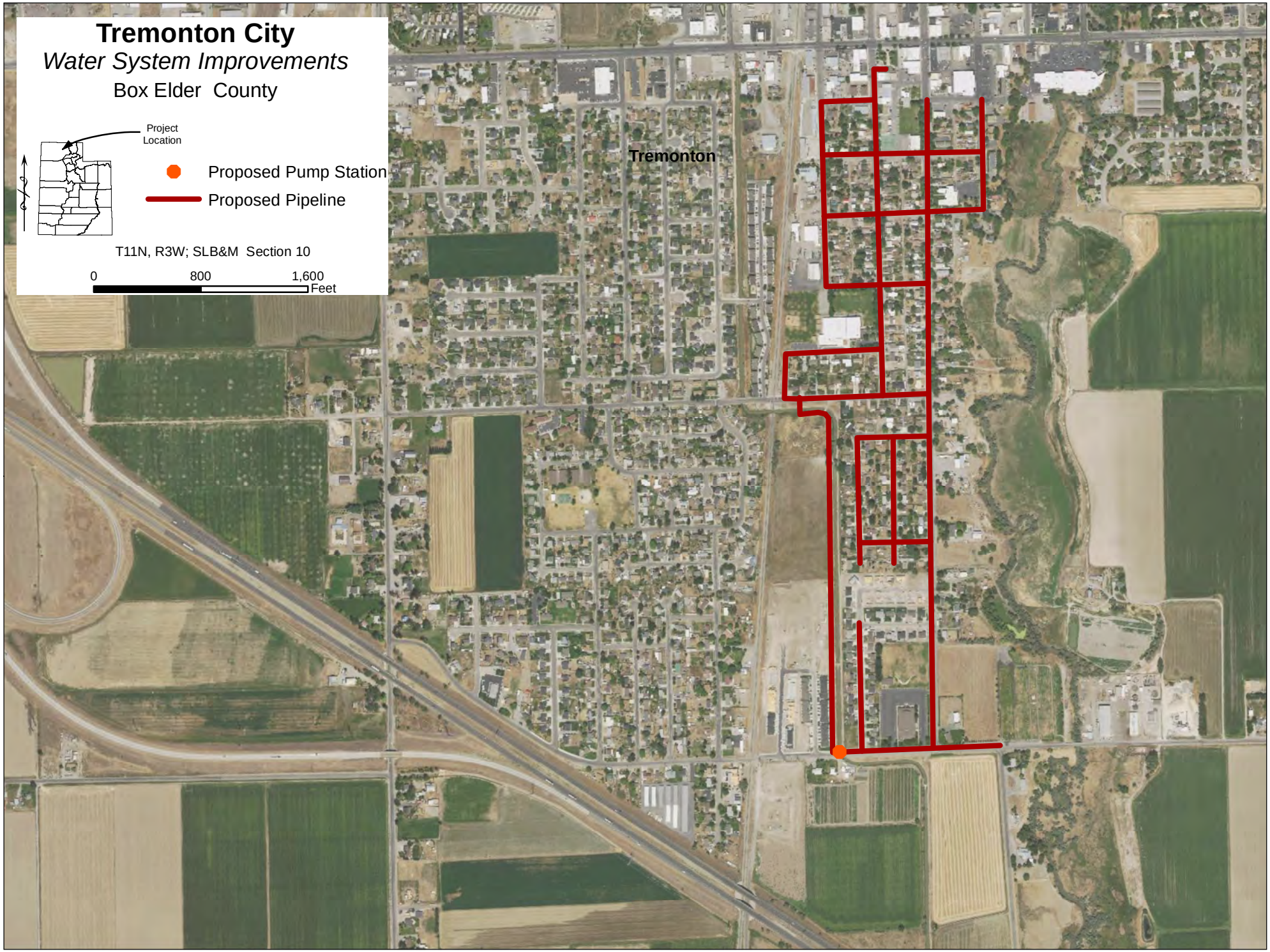
Construction is expected to begin spring 2024 and be completed by fall 2024. Engineering services are being provided by Jones & Associates Consulting Engineers.

Cost Estimate & Sharing

The estimated cost of the project is $2,122,000. The recommended cost sharing is as follows:

Agency	Cost Sharing
Board of Water Resources Water Conservation Grant	$2,000,000
Applicant	$122,000
TOTAL	**$2,122,000**

Staff recommends the Board authorize and commit $2,000,000 as a Water Conservation grant. The Board will reimburse 100% of the eligible costs, up to $2,000,000.


Tremonton City
Water System Improvements
Box Elder County
Project Location
Proposed Pump Station
Proposed Pipeline
T11N, R3W; SLB&M Section 10
0
800
1,600
Feet
Tremonton

BOARD OF WATER RESOURCES
Water Conservation Grant Report

Applicant: **Mountain Green Secondary Water Company**

Project Number: RM104
Fund: ARPA Grant
Cost Estimate: $301,000

Application Received: 2/21/2023
Board Meeting Date: 6/29/2023

Board Member: Kyle Stephens
Project Manager: Russell Hadley

Project Summary: The purpose of the project is to replace a deteriorated diversion structure on Cottonwood Creek.

Recommendation: Staff recommends the Board authorize and commit 100% of the project cost, up to $301,000, as a Water Conservation grant.

Project Contacts:

President:
Rulon Gardner
201 S. Main St, Suite 2015
Salt Lake City, UT 84111
801-558-1879

Secretary:
Blake Gardner
201 S. Main St, Suite 2015
Salt Lake City, UT 84111
801-698-7890

Engineer:
Korey Walker
Epic Engineering
50 East 100 South
Heber City, UT 84032
435-654-6600

Location

The proposed project is located on Cottonwood Creek near Mountain Green in Morgan County.

Project Summary

Utah is one of the driest states in the nation, one of the fastest-growing, and drinking water sources are limited. In addition, potential climate change impacts and the current multi-year drought in Utah threaten water supplies and put public drinking water supplies at risk. Municipalities and water companies need to reduce their water use to stretch their existing drinking water supplies. Many Utah communities also have "secondary" water, typically used to irrigate lawns and gardens. Secondary water is not treated to culinary standards and is utilized throughout the state to protect the drinking water supplies. However, many users waste this precious resource because they do not realize how much they are using. The State of Utah believes that it is critical to invest in water conservation, water metering, and dual water pipe and secondary water distribution systems to protect potable drinking water supplies. This will also help lower the cost of treating drinking water and make it more cost-effective by decreasing the amount of water that needs to be treated to potable standards.

Technology has improved over the last decade and allows for the metering of untreated secondary water. Individual water use cannot be measured without metering, so water suppliers have begun installing meters on their secondary water connections. By educating their customers on their measured use compared to the amount they should be using, suppliers have seen as much as a 20-30% reduction in use. Secondary metering, combined with conservation and education, protects the drinking water supplies and allows drinking water providers to plan for their future growth.

In 2022, the Utah Legislature allocated ARPA funds for secondary water suppliers to purchase and install meters on existing pressurized systems. In 2023, additional funds were allocated by the Legislature for those systems that installed meters prior to May 4, 2022. As indicated in Utah Code 73-10-34.5(7), those systems that have not otherwise received a grant to install secondary meters can receive a grant from the Board for the purpose of conservation; and in an amount not to exceed $2,000,000.

The Applicant began installing meters on their pressurized secondary system in 2019.

The Applicant has approximately 650 secondary connections. All the connections are metered. The average lot size is 0.33 acre, with about 0.28 acre irrigated.

The Applicant is requesting funding to replace a deteriorated, 50-year-old diversion structure on Cottonwood Creek. The diversion structure was in poor repair with gaps between the footings and the wall, as well as the bottom of the outlet pipe and the bottom of the diversion box. Water was being lost to the secondary system through these gaps and holes.

The Applicant expects to conserve about 120 acre-feet annually from replacement of the diversion structure.

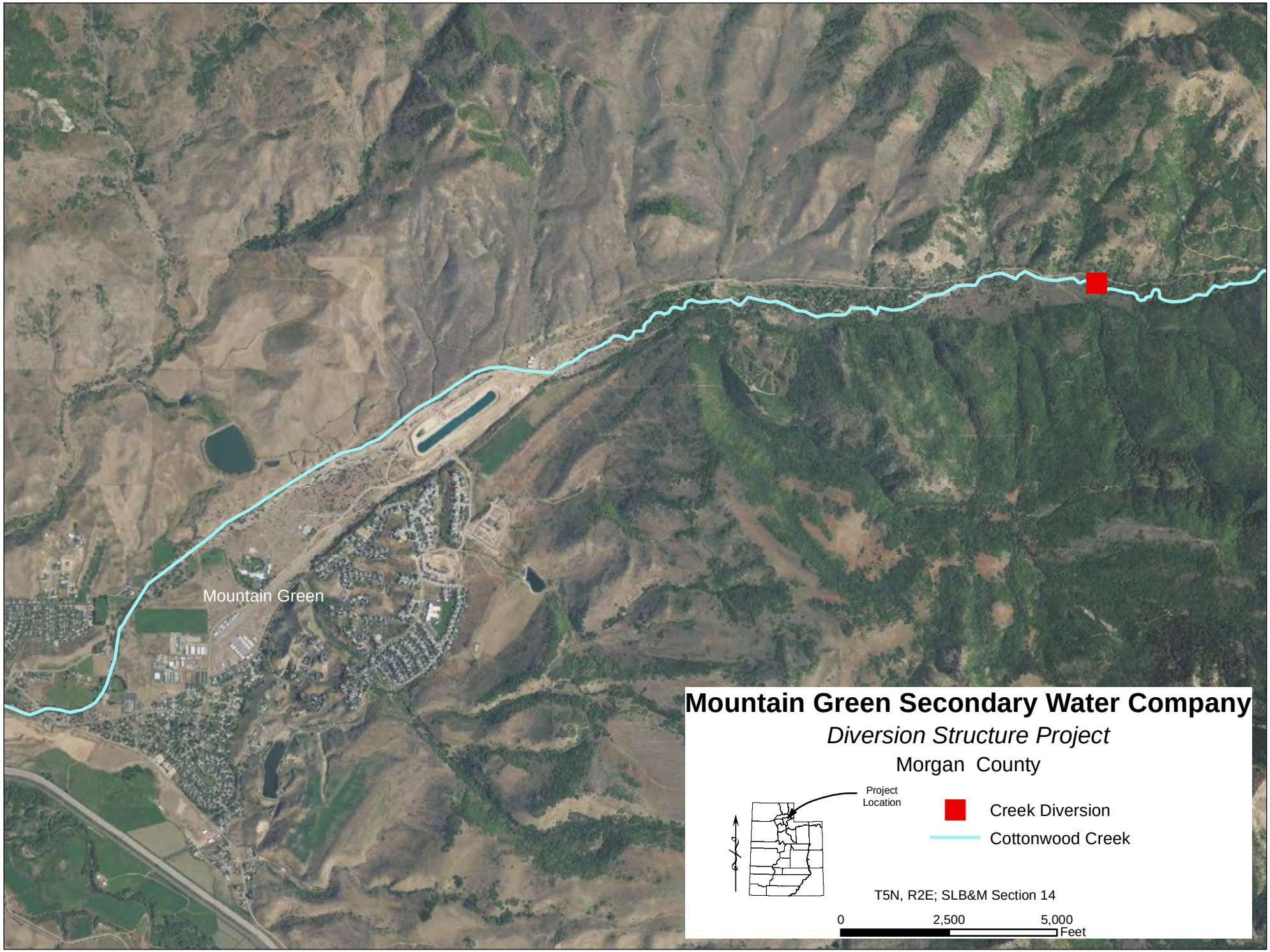
Construction was completed in February 2023 and engineering services were provided by Epic Engineering.

Cost Estimate & Sharing

The estimated cost of the project is $301,000. The recommended cost sharing is as follows:

Agency	Cost Sharing
Board of Water Resources Water Conservation Grant	$301,000
TOTAL	**$301,000**

Staff recommends the Board authorize and commit 100% of the project cost, up to $301,000, as a Water Conservation grant.


Mountain Green
Mountain Green Secondary Water Company
Diversion Structure Project
Morgan County
Project Location
Creek Diversion
Cottonwood Creek
T5N, R2E; SLB&M Section 14
0
2,500
5,000
Feet

BOARD OF WATER RESOURCES
Water Conservation Grant Report

Applicant: **Mapleton City**

Project Number: RM101
Fund: ARPA Grant
Cost Estimate: $5,135,000

Application Received: 1/5/2023
Board Meeting Date: 6/29/2023

Board Member: Provo River District
Project Manager: Ann Baynard

Project Summary: The purpose of the project is to convey water from three springs to Mapleton City's storage tanks. The project includes the installation of a pipeline that will carry water currently conveyed through an open, unlined channel in Maple Canyon.

Recommendation: Staff recommends the Board authorize and commit $2,000,000 as a Water Conservation grant.

Project Contacts:

Mayor:
Dallas Hakes
125 West Community Center Way
Mapleton, UT 84664
801-806-9106

Public Works Director:
Rob Hunter
1405 West 1600 North
Mapleton, UT 84664
801-367-1265

Engineer:
Katie Jacobsen
859 W South Jordan Parkway
Suite 200
South Jordan, Utah 84095
801-919-6880

Location

The proposed project is located east of Mapleton in Maple Canyon in Utah County.

Project Summary

Utah is one of the driest states in the nation, one of the fastest-growing, and drinking water sources are limited. In addition, potential climate change impacts and the current multi-year drought in Utah threaten water supplies and put public drinking water supplies at risk. Municipalities and water companies need to reduce their water use to stretch their existing drinking water supplies. Many Utah communities also have “secondary” water, typically used to irrigate lawns and gardens. Secondary water is not treated to culinary standards and is utilized throughout the state to protect the drinking water supplies. However, many users waste this precious resource because they do not realize how much they are using. The State of Utah believes that it is critical to invest in water conservation, water metering, and dual water pipe and secondary water distribution systems to protect potable drinking water supplies. This will also help lower the cost of treating drinking water and make it more cost-effective by decreasing the amount of water that needs to be treated to potable standards.

Technology has improved over the last decade and allows for the metering of untreated secondary water. Individual water use cannot be measured without metering, so water suppliers have begun installing meters on their secondary water connections. By educating their customers on their measured use compared to the amount they should be using, suppliers have seen as much as a 20-30% reduction in use. Secondary metering, combined with conservation and education, protects the drinking water supplies and allows drinking water providers to plan for their future growth.

In 2022, the Utah Legislature allocated ARPA funds for secondary water suppliers to purchase and install meters on existing pressurized systems. In 2023, additional funds were allocated by the Legislature for those systems that installed meters prior to May 4, 2022. As indicated in Utah Code 73-10-34.5(7), those systems that have not otherwise received a grant to install secondary meters can receive a grant from the Board for the purpose of conservation; and in an amount not to exceed $2,000,000.

The Applicant began installing meters on their pressurized secondary system prior to 2018.

The Applicant has approximately 1,530 secondary connections. All the secondary connections are metered. The average lot size is 0.63 acre, with about 0.40 acre irrigated.

The Applicant is requesting funding to convey water from Serviceberry Springs, Dunham Springs, and Unnamed Springs to Mapleton's canyon storage tanks. The project includes the installation of 14-inch HDPE pipeline that will carry water previously conveyed through an open, unlined channel in Maple Canyon.

By piping the unlined channel, less water will be lost to evaporation, seepage, and surrounding vegetation. The Applicant expects to conserve about 160 acre-feet of water upon completion of the project.

Construction is expected to begin summer 2023 and be completed by summer 2024. Engineering services are being provided by Hansen, Allen & Luce.

Cost Estimate & Sharing

The estimated cost of the project is approximately $5,135,000. The recommended cost sharing is as follows:

Agency	Cost Sharing
Board of Water Resources Water Conservation Grant	$2,000,000
Applicant	$3,135,000
TOTAL	**$5,135,000**

Staff recommends the Board authorize and commit $2,000,000 as a Water Conservation grant. The Board will reimburse 100% of the eligible costs, up to $2,000,000.

BOARD OF WATER RESOURCES
Water Conservation Grant Report

Applicant: **Grantsville Irrigation Company**

Project Number: RM103
Fund: ARPA Grant
Cost Estimate: $2,800,000

Application Received: 2/20/2023
Board Meeting Date: 6/29/2023

Board Member: Juliette Tennert
Project Manager: Ann Baynard

Project Summary: The purpose of the project is to install, repair and replace residential meters and repair the North and South Willow creek diversions.

Recommendation: Staff recommends the Board authorize and commit $2,000,000 as a Water Conservation grant.

Project Contacts:

President:
Gene Marshall
384 S. Quirk St.
Grantsville, UT 84029
435-830-3175

Secretary:
Elise Mondragon
411 S. West St.
Grantsville, UT 84029
435-884-3451

Engineer:
Judd Lawrence
Bingham Engineering
262 N. Wright Brothers Drive
Suite 120
Salt Lake City, UT 84116
801-580-1687

Location

The proposed project is located in Grantsville in Tooele County.

Project Summary

Utah is one of the driest states in the nation, one of the fastest-growing, and drinking water sources are limited. In addition, potential climate change impacts and the current multi-year drought in Utah threaten water supplies and put public drinking water supplies at risk. Municipalities and water companies need to reduce their water use to stretch their existing drinking water supplies. Many Utah communities also have "secondary" water, typically used to irrigate lawns and gardens. Secondary water is not treated to culinary standards and is utilized throughout the state to protect the drinking water supplies. However, many users waste this precious resource because they do not realize how much they are using. The State of Utah believes that it is critical to invest in water conservation, water metering, and dual water pipe and secondary water distribution systems to protect potable drinking water supplies. This will also help lower the cost of treating drinking water and make it more cost-effective by decreasing the amount of water that needs to be treated to potable standards.

Technology has improved over the last decade and allows for the metering of untreated secondary water. Individual water use cannot be measured without metering, so water suppliers have begun installing meters on their secondary water connections. By educating their customers on their measured use compared to the amount they should be using, suppliers have seen as much as a 20-30% reduction in use. Secondary metering, combined with conservation and education, protects the drinking water supplies and allows drinking water providers to plan for their future growth.

In 2022, the Utah Legislature allocated ARPA funds for secondary water suppliers to purchase and install meters on existing pressurized systems. In 2023, additional funds were allocated by the Legislature for those systems that installed meters prior to May 4, 2022. As indicated in Utah Code 73-10-34.5(7), those systems that have not otherwise received a grant to install secondary meters can receive a grant from the Board for the purpose of conservation; and in an amount not to exceed $2,000,000.

The Applicant began installing meters on their pressurized secondary system in 2001.

The Applicant has about 2,136 secondary connections. All of the connections are metered. The average lot size is 0.60 acre, with about 0.25 acre irrigated.

The Applicant is requesting funding to install, repair and replace meters. This includes meters for new secondary service for about 225 existing culinary customers, two large meters for institutional users, four inflow meters, and replacing about 1,070 meters with remote reading devices. The company will also repair the North and South Willow Creek diversion structures.

With the meter updates, the Applicant can monitor customer use and shut off those connections where their allotment has been exceeded. The diversion structures are old, and the city indicates they have significant water losses to the system due to leaks and seepage.

It is expected that about 55 acre-feet of water will be conserved upon completion of the meter installation and about 175 acre-feet of water due to the repair of the diversion structures.

Construction is expected to begin fall 2023 and be completed by winter 2026. Engineering services are being provided by Bingham Engineering.

Cost Estimate & Sharing

The estimated cost of the project is $2,800,000. The recommended cost sharing is as follows:

Agency	Cost Sharing
Board of Water Resources Water Conservation Grant	$2,000,000
Applicant	$800,000
TOTAL	**$2,800,000**

Staff recommends the Board authorize and commit $2,000,000 as a Water Conservation grant. The Board will reimburse 100% of the eligible costs, up to $2,000,000.

BOARD OF WATER RESOURCES
Water Conservation Grant Report

Springville City

Applicant:

Project Number: RM109
Fund: ARPA Grant
Cost Estimate: $2,000,000

Application Received: 2/21/2023
Board Meeting Date: 6/29/2023

Board Member: Provo River District
Project Manager: Ann Baynard

Project Summary: The purpose of the project is to pipe about 3,300 feet of the Upper Highline Ditch and install an Automatic Meter Reading (AMR) system to remotely read approximately 3,300 existing meters in Springville City.

Recommendation: Staff recommends the Board authorize and commit 100% of project costs, up to $2,000,000, as a Water Conservation grant.

Project Contacts:

Mayor:
Matt Packard
110 South Main Street
Springville, UT 84663
801-491-2700

Public Works Director:
Brad Stapley
110 South Main Street
Springville, UT 84663
801-491-2711

Engineer:
Jeffrey Anderson
110 South Main Street
Springville, Ut 84663
801-491-2719

Location

The proposed project is located in Springville in Utah County.

Project Summary

Utah is one of the driest states in the nation, one of the fastest-growing, and drinking water sources are limited. In addition, potential climate change impacts and the current multi-year drought in Utah threaten water supplies and put public drinking water supplies at risk. Municipalities and water companies need to reduce their water use to stretch their existing drinking water supplies. Many Utah communities also have "secondary" water, typically used to irrigate lawns and gardens. Secondary water is not treated to culinary standards and is utilized throughout the state to protect the drinking water supplies. However, many users waste this precious resource because they do not realize how much they are using. The State of Utah believes that it is critical to invest in water conservation, water metering, and dual water pipe and secondary water distribution systems to protect potable drinking water supplies. This will also help lower the cost of treating drinking water and make it more cost-effective by decreasing the amount of water that needs to be treated to potable standards.

Technology has improved over the last decade and allows for the metering of untreated secondary water. Individual water use cannot be measured without metering, so water suppliers have begun installing meters on their secondary water connections. By educating their customers on their measured use compared to the amount they should be using, suppliers have seen as much as a 20-30% reduction in use. Secondary metering, combined with conservation and education, protects the drinking water supplies and allows drinking water providers to plan for their future growth.

In 2022, the Utah Legislature allocated ARPA funds for secondary water suppliers to purchase and install meters on existing pressurized systems. In 2023, additional funds were allocated by the Legislature for those systems that installed meters prior to May 4, 2022. As indicated in Utah Code 73-10-34.5(7), those systems that have not otherwise received a grant to install secondary meters can receive a grant from the Board for the purpose of conservation; and in an amount not to exceed $2,000,000.

The Applicant began installing meters on their pressurized secondary system in 2019.

The Applicant has approximately about 1,590 secondary connections; all of which are metered. The average lot size is 0.16 acre, with about 0.11 acre irrigated.

The Applicant is requesting funding to pipe about 3,300 feet of the concrete-lined Upper Highline Ditch with 24-inch diameter HDPE pipe. The concrete-lined ditch is deteriorating and cracking causing seepage, joint slippage, and gaps. The Applicant will also install an Automatic Meter Reading (AMR) system to remotely read about 3,300 existing culinary meters.

The Applicant expects to conserve about 118 acre-feet of water, that is lost to seepage and evaporation, upon completion of the piping project. They expect to conserve additional water upon completion of the AMR system and will be able to detect leaks quickly.

Construction is expected to begin in the fall of 2024 and be completed by winter 2026. Engineering services are being provided by Springville City staff.

Cost Estimate & Sharing

The estimated cost of the project is $2,000,000. The recommended cost sharing is as follows:

Agency	Cost Sharing
Board of Water Resources Water Conservation Grant	$2,000,000
TOTAL	**$2,000,000**

Staff recommends the Board authorize and commit 100% of project costs, up to $2,000,000, as a Water Conservation grant.

BOARD OF WATER RESOURCES
Committal of Funds

Centerfield City

Applicant:

Project Number: RM035
Fund: Conservation & Development Fund
Total Cost: $1,780,000

Application Received: 5/12/2022
Authorized: 8/4/2022
Board Meeting Date: 6/29/2023

Board Member: Blaine Ipson
Project Manager: Ben Marett

Project Summary: The purpose of the project is to purchase and install 480 secondary water meters with automatic shutoff valves.

Recommendation: Staff recommends the Board commit 32.4% of the project cost, up to $577,000, and that the bonded indebtedness be returned at 1% interest over 15 years with annual payments of approximately $45,000 (includes reserves).

Project Contacts:

Mayor:
Travis Leatherwood
130 S. Main
Centerfield, UT 84622
801-518-8111

City Recorder:
Lacey Belnap
130 S. Main
Centerfield, UT 84622
435-528-3296

Engineer:
Garrick Willden
Jones & DeMille Engineering
50 S. Main Suite #28
Manti, Ut 84642
435-979-0380

Location
The proposed project is located in and around Centerfield City in Sanpete County.

Project Summary
The purpose of the project is to purchase and install 480 secondary water meters. The Applicant would also like to use non-grant funds from the Board to install valves with automatic shutoff capabilities. Each connection owns a percentage of a water share, which makes it necessary to manually monitor water use and close valves when a particular water share allotment has been fulfilled. The automatic shutoff valves will work in tandem with the meter to close when a water share has been exhausted. This will improve efficiency of the City's system by eliminating the need for manual regulation and shutoff.

Cost Estimate & Sharing
The cost estimate and sharing, for the loan portion, have been updated to reflect the increase in cost for the automatic shutoff valves.

Agency	Authorized Cost Sharing	% of Total	Proposed Cost Sharing	% of Total
Board of Water Resources – Loan	$402,000	25.5%	$577,000	32.4%
Board of Water Resources – Grant	1,102,000	70.0	1,102,000	61.9
Applicant	70,000	4.5	101,000	5.7
TOTAL	**$1,574,000**	**100%**	**$1,780,000**	**100%**

Repayment
Staff recommends the Board commit 32.4% of the project cost, up to $577,000, and that the bonded indebtedness be returned at 1% interest over 15 years with annual payments of approximately $45,000 (includes reserves).

BOARD OF WATER RESOURCES
Committal of Funds

Applicant: **Moroni City**

Project Number: RM059
Fund: Conservation and Development Fund
Total Cost: $1,355,000

Application Received: 5/15/2022
Authorized: 8/4/2022
Board Meeting Date: 6/29/2023

Board Member: Blaine Ipson
Project Manager: Ben Marett

Project Summary: The purpose of the project is to purchase and install 511 secondary water meters.

Recommendation: Staff recommends the Board commit 25.5% of the project cost, up to $346,000, as a loan, and that the bonded indebtedness be returned at 1% interest, over 15 years, with annual payments of approximately $27,000 (includes reserves).

Project Contacts:

Mayor:
Paul Bailey
80 S 200 W
Moroni, UT 84646
435-436-8359

City Council Member:
Thayne Atkinson
80 S 200 W
Moroni, UT 84646
435-469-0802

Engineer:
Trenton Brown
Sunrise Engineering
635 N Main Street, Suite 675
Richfield, UT 84701
435-896-7613

Location
The proposed project is located in and around Moroni City in Sanpete County.

Project Summary
The purpose of the project is to purchase and install 511 secondary water meters.

Cost Estimate & Sharing
The cost estimate and sharing remain as authorized.

Agency	Authorized Cost Sharing	% of Total
Board of Water Resources - Loan	$346,000	25.5%
Board of Water Resources - Grant	949,000	70.0
Applicant	60,000	4.5
TOTAL	**$1,355,000**	**100%**

Repayment
Staff recommends the Board commit 25.5% of the project cost, up to $346,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years with annual payments of approximately $27,000 (includes reserves).

BOARD OF WATER RESOURCES
Water Conservation Grant Report

Applicant: **Saratoga Springs City**

Project Number: RM100
Fund: ARPA Grant
Cost Estimate: $2,607,000

Application Received: 12/20/2022
Board Meeting Date: 6/29/2023

Board Member: Juliette Tennert
Project Manager: Ben Marett

Project Summary: The purpose of the project is to install secondary water supply pipelines to neighborhoods currently using culinary water for landscape irrigation and to convert approximately 2.6 acres of turf grass park strips to waterwise landscaping.

Recommendation: Staff recommends the Board authorize and commit $2,000,000 as a Water Conservation Grant.

Project Contacts:

Mayor:
Jim Miller
1307 N. Commerce Dr. Ste 200
Saratoga Springs, UT 84045
801-766-9739

City Engineer:
Jeremy Lapin
213 N. 900 E.
Saratoga Springs, UT 84045
801-766-6506

Engineer:
Mark Atencio
Hansen, Allen & Luce
859 W South Jordan Pkwy Ste. 200
South Jordan, UT 84095
801-330-8701

Location

The proposed project is located in and around Saratoga Springs in Utah County.

Project Summary

Utah is one of the driest states in the nation, one of the fastest-growing, and drinking water sources are limited. In addition, potential climate change impacts and the current multi-year drought in Utah threaten water supplies and put public drinking water supplies at risk. Municipalities and water companies need to reduce their water use to stretch their existing drinking water supplies. Many Utah communities also have "secondary" water, typically used to irrigate lawns and gardens. Secondary water is not treated to culinary standards and is utilized throughout the state to protect the drinking water supplies. However, many users waste this precious resource because they do not realize how much they are using. The State of Utah believes that it is critical to invest in water conservation, water metering, and dual water pipe and secondary water distribution systems to protect potable drinking water supplies. This will also help lower the cost of treating drinking water and make it more cost-effective by decreasing the amount of water that needs to be treated to potable standards.

Technology has improved over the last decade and allows for the metering of untreated secondary water. Individual water use cannot be measured without metering, so water suppliers have begun installing meters on their secondary water connections. By educating their customers on their measured use compared to the amount they should be using, suppliers have seen as much as a 20-30% reduction in use. Secondary metering, combined with conservation and education, protects the drinking water supplies and allows drinking water providers to plan for their future growth.

In 2022, the Utah Legislature allocated ARPA funds for secondary water suppliers to purchase and install meters on existing pressurized systems. In 2023, additional funds were allocated by the Legislature for those systems that installed meters prior to May 4, 2022. As indicated in Utah Code 73-10-34.5(7), those systems that have not otherwise received a grant to install secondary meters can receive a grant from the Board for the purpose of conservation; and in an amount not to exceed $2,000,000.

The Applicant began installing meters on their pressurized secondary system in 2016.

The Applicant has about 9,660 secondary connections. All the connections are metered. The average lot size is 0.25 acre, with about 0.11 acre irrigated.

The Applicant is requesting funding to install supply pipelines for secondary water to approximately 200 residential customers currently using culinary water for outside irrigation. The project also includes converting approximately 2.6 acres of city property from traditional landscaping to waterwise and xeriscape landscapes.

The Applicant expects to conserve about four acre-feet of water from the city's landscape conversion. They have estimated that they will also conserve about seven acre-feet of water by providing secondary water to current culinary water customers. They expect to see a reduction in use as the secondary system has a lower pressure and will result in lower irrigation rates.

Construction is expected to begin fall 2023 and be completed by spring 2024. Engineering services are being provided by Hansen Allen & Luce.

Cost Estimate & Sharing

The estimated cost of the project is $2,607,000. The recommended cost sharing is as follows:

Agency	Cost Sharing
Board of Water Resources Water Conservation Grant	$2,000,000
Applicant	$607,000
TOTAL	**$2,607,000**

Staff recommends the Board authorize and commit $2,000,000 as a Water Conservation Grant. The Board will reimburse 100% of the eligible costs, up to $2,000,000.

BOARD OF WATER RESOURCES
Water Conservation Grant Report

City of Roosevelt

Applicant:

Project Number: RM106
Fund: ARPA Grant
Cost Estimate: $2,000,000

Application Received: 2/21/2023
Board Meeting Date: 6/29/2023

Board Member: Randy Crozier
Project Manager: Ben Marett

Project Summary: The purpose of the project is to install approximately 11,500 feet of pipeline to provide secondary water to approximately 146 existing culinary customers within Roosevelt City.

Recommendation: Staff recommends the Board authorize and commit 100% of the project cost, up to $2,000,000, as a Water Conservation grant.

Project Contacts:

Mayor:
JR Bird
255 S State Street
Roosevelt, UT 84066
435-722-5001

Assistant City Manager:
Ryan Clayburn
255 S State Street
Roosevelt, UT 84066
435-725-7201

Engineer:
Jeffrey Baker
Jones & DeMille Engineering
520 W Highway 40
Roosevelt, UT 84066
435-790-5298

Location

The proposed project is located in Roosevelt in Duchesne County.

Project Summary

Utah is one of the driest states in the nation, one of the fastest-growing, and drinking water sources are limited. In addition, potential climate change impacts and the current multi-year drought in Utah threaten water supplies and put public drinking water supplies at risk. Municipalities and water companies need to reduce their water use to stretch their existing drinking water supplies. Many Utah communities also have "secondary" water, typically used to irrigate lawns and gardens. Secondary water is not treated to culinary standards and is utilized throughout the state to protect the drinking water supplies. However, many users waste this precious resource because they do not realize how much they are using. The State of Utah believes that it is critical to invest in water conservation, water metering, and dual water pipe and secondary water distribution systems to protect potable drinking water supplies. This will also help lower the cost of treating drinking water and make it more cost-effective by decreasing the amount of water that needs to be treated to potable standards.

Technology has improved over the last decade and allows for the metering of untreated secondary water. Individual water use cannot be measured without metering, so water suppliers have begun installing meters on their secondary water connections. By educating their customers on their measured use compared to the amount they should be using, suppliers have seen as much as a 20-30% reduction in use. Secondary metering, combined with conservation and education, protects the drinking water supplies and allows drinking water providers to plan for their future growth.

In 2022, the Utah Legislature allocated ARPA funds for secondary water suppliers to purchase and install meters on existing pressurized systems. In 2023, additional funds were allocated by the Legislature for those systems that installed meters prior to May 4, 2022. As indicated in Utah Code 73-10-34.5(7), those systems that have not otherwise received a grant to install secondary meters can receive a grant from the Board for the purpose of conservation; and in an amount not to exceed $2,000,000.

The Applicant began installing meters on their pressurized secondary system in 2010.

The Applicant currently has approximately 740 secondary connections; all of which are metered. The average lot size is 0.50 acre, with about 0.24 acre irrigated.

The Applicant is requesting funding to install about 146 meters and approximately 11,500 feet of pipeline to provide secondary water to existing residential connections within Roosevelt City. The proposed pipeline will provide secondary water to residential customers currently using culinary water for outdoor irrigation.

The Applicant expects to conserve about 60 acre-feet of water upon completion of the project. Because the secondary system only runs between April and September, customers will not be able to irrigate outside that timeframe. Due to this, the Applicant expects to see a reduction in use.

Construction is expected to begin spring 2024 and be completed by spring 2025. Engineering services are being provided by Jones & DeMille Engineering.

Cost Estimate & Sharing

The estimated cost of the project is $2,000,000. The recommended cost sharing is as follows:

Agency	Cost Sharing
Board of Water Resources Water Conservation Grant	$2,000,000
TOTAL	**$2,000,000**

Staff recommends the Board authorize and commit 100% of the project cost, up to $2,000,000, as a Water Conservation grant.

BOARD OF WATER RESOURCES
Water Conservation Grant Report

Spanish Fork City

Applicant:

Project Number: RM108
Fund: ARPA Grant
Cost Estimate: $3,418,000

Application Received: 2/21/2023
Board Meeting Date: 6/29/2023

Board Member: Provo River District
Project Manager: Ben Marett

Project Summary: The purpose of the project is to repair and replace approximately 9,800 feet of 26-inch and 30-inch pipeline.

Recommendation: Staff recommends the Board authorize and commit $2,000,000, as a Water Conservation grant.

Project Contacts:

Mayor:
Mike Mendenhall
40 South Main Street
Spanish Fork, UT 84660
801-358-6229

Public Works Director:
Chris Thompson
40 South Main Street
Spanish Fork, UT 84660
801-804-4556

Engineer:
Brian Romrell
Bowen Collins & Associates
154 East 14075 South
Draper, UT 84020
801-495-2224

Location

The proposed project is located in Spanish Fork Canyon, east of Spanish Fork City, in Utah County.

Project Summary

Utah is one of the driest states in the nation, one of the fastest-growing, and drinking water sources are limited. In addition, potential climate change impacts and the current multi-year drought in Utah threaten water supplies and put public drinking water supplies at risk. Municipalities and water companies need to reduce their water use to stretch their existing drinking water supplies. Many Utah communities also have "secondary" water, typically used to irrigate lawns and gardens. Secondary water is not treated to culinary standards and is utilized throughout the state to protect the drinking water supplies. However, many users waste this precious resource because they do not realize how much they are using. The State of Utah believes that it is critical to invest in water conservation, water metering, and dual water pipe and secondary water distribution systems to protect potable drinking water supplies. This will also help lower the cost of treating drinking water and make it more cost-effective by decreasing the amount of water that needs to be treated to potable standards.

Technology has improved over the last decade and allows for the metering of untreated secondary water. Individual water use cannot be measured without metering, so water suppliers have begun installing meters on their secondary water connections. By educating their customers on their measured use compared to the amount they should be using, suppliers have seen as much as a 20-30% reduction in use. Secondary metering, combined with conservation and education, protects the drinking water supplies and allows drinking water providers to plan for their future growth.

In 2022, the Utah Legislature allocated ARPA funds for secondary water suppliers to purchase and install meters on existing pressurized systems. In 2023, additional funds were allocated by the Legislature for those systems that installed meters prior to May 4, 2022. As indicated in Utah Code 73-10-34.5(7), those systems that have not otherwise received a grant to install secondary meters can receive a grant from the Board for the purpose of conservation; and in an amount not to exceed $2,000,000.

The Applicant began installing meters on their pressurized secondary system in 2002.

The Applicant has approximately 10,000 secondary connections. All the connections are metered. The average lot size is 0.25 acre, with about 0.14 acre irrigated.

The Applicant is requesting funding to replace approximately 9,800 feet of 30-inch steel pipe with HDPE pipe. The transmission line delivers 1,000 to 2,000 gpm of culinary water to the city. The pipeline has been responsible for up to half of the City's water losses on the culinary system.

The pipeline runs next to Highway 6, near the railroad right-of-way, through Spanish Fork Canyon. Approximately 2,200 feet of the pipeline will be "open cut" and replaced with 24-inch HDPE pipe. The remaining 7,600 feet of pipeline will be slip-lined with 30-inch HDPE pipe.

The Applicant expects to conserve about 800 acre-feet of water per year upon completion of the project.

Construction is expected to begin in the fall of 2023 and be completed by fall 2024. Engineering services are being provided by Bowen Collins & Associates.

Cost Estimate & Sharing

The estimated cost of the project is $3,418,000. The recommended cost sharing is as follows:

Agency	Cost Sharing
Board of Water Resources Water Conservation Grant	$2,000,000
Applicant	$1,418,000
TOTAL	**$3,418,000**

Staff recommends the Board authorize and commit $2,000,000, as a Water Conservation grant. The Board will reimburse 100% of the eligible costs, up to $2,000,000.

BOARD OF WATER RESOURCES
Water Conservation Grant Report

Applicant: **Payson City**

Project Number: RM105
Fund: ARPA Grant
Cost Estimate: $7,500,000

Application Received: 2/21/2023
Board Meeting Date: 6/29/2023

Board Member: Provo River District
Project Manager: Tom Cox

Project Summary: The purpose of the project is to install box culverts at three road crossings in conjunction with a Natural Resources Conservation Service (NRCS) co-funded project to make improvements to the Dry Creek Channel.

Recommendation: Staff recommends the Board authorize and commit 100% of the non-NRCS project cost, up to $2,000,000, as a Water Conservation grant.

Project Contacts:

Mayor:
William R. Wright
439 W. Utah Ave.
Payson City, UT 84651
801-465-5218

Public Works Director:
Travis Jockumsen
439 W. Utah Ave.
Payson City, UT 84651
801-465-5235

Engineer:
Joshua Prettyman
CRS Engineers
4246 S. Riverboat Rd., Ste. 200
Salt Lake City, UT 84123
801-359-5565

Location

The proposed project is located in Payson City in Utah County.

Project Summary

Utah is one of the driest states in the nation, one of the fastest-growing, and drinking water sources are limited. In addition, potential climate change impacts and the current multi-year drought in Utah threaten water supplies and put public drinking water supplies at risk. Municipalities and water companies need to reduce their water use to stretch their existing drinking water supplies. Many Utah communities also have "secondary" water, typically used to irrigate lawns and gardens. Secondary water is not treated to culinary standards and is utilized throughout the state to protect the drinking water supplies. However, many users waste this precious resource because they do not realize how much they are using. The State of Utah believes that it is critical to invest in water conservation, water metering, and dual water pipe and secondary water distribution systems to protect potable drinking water supplies. This will also help lower the cost of treating drinking water and make it more cost-effective by decreasing the amount of water that needs to be treated to potable standards.

Technology has improved over the last decade and allows for the metering of untreated secondary water. Individual water use cannot be measured without metering, so water suppliers have begun installing meters on their secondary water connections. By educating their customers on their measured use compared to the amount they should be using, suppliers have seen as much as a 20-30% reduction in use. Secondary metering, combined with conservation and education, protects the drinking water supplies and allows drinking water providers to plan for their future growth.

In 2022, the Utah Legislature allocated ARPA funds for secondary water suppliers to purchase and install meters on existing pressurized systems. In 2023, additional funds were allocated by the Legislature for those systems that installed meters prior to May 4, 2022. As indicated in Utah Code 73-10-34.5(7), those systems that have not otherwise received a grant to install secondary meters can receive a grant from the Board for the purpose of conservation; and in an amount not to exceed $2,000,000.

The Applicant began installing meters on their pressurized secondary system in 2019.

The Applicant has approximately 5,300 secondary connections. All the connections are metered. The average lot size is 0.20 acre, with about 0.11 acre irrigated.

The Applicant is requesting funding to install box culverts at three road crossings in conjunction with a channel improvement project that is co-funded by the Natural Resources Conservation Service (NRCS). The purpose of the project is to line about 3,600 feet of the Dry Creek Channel with concrete. The NRCS will cover the costs of the concrete lining, but not the box culverts. Therefore, the city is responsible for funding that cost. The project cannot be completed without the installation of the box culverts.

By lining the canal, it is anticipated that about 850 acre-feet of seepage loss will be eliminated upon completion of the entire Dry Creek Channel improvement project.

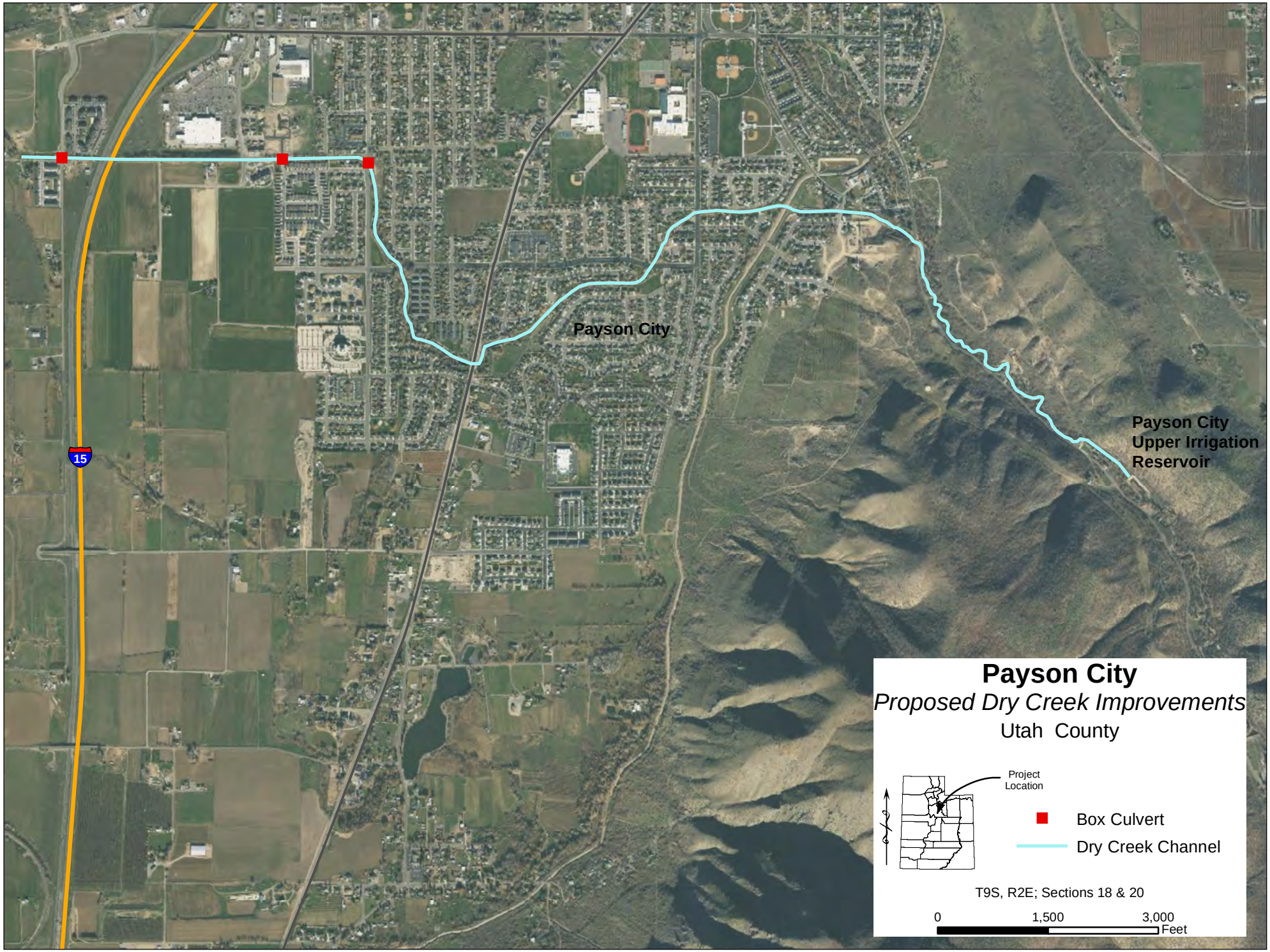
Construction is expected to begin in 2024 or later, depending on the NRCS process. If timing of the entire project becomes an issue, the box culvert portion can be built as a stand-alone project and be completed prior to the end of 2026. Engineering services are being provided by CRS Engineers.

Cost Estimate & Sharing

The estimated cost of the project is $7,500,000. The recommended cost sharing is as follows:

Agency	Cost Sharing
Board of Water Resources Water Conservation Grant	$2,000,000
Natural Resources Conservation Service	$5,500,000
TOTAL	**$7,500,000**

Staff recommends the Board authorize and commit 100% of the non-NRCS project cost, up to $2,000,000, as a Water Conservation grant.


Payson City
Payson City
Upper Irrigation
Reservoir
15
Payson City
Proposed Dry Creek Improvements
Utah County
Project
Location
Box Culvert
Dry Creek Channel
T9S, R2E; Sections 18 & 20
0
1,500
3,000
Feet

BOARD OF WATER RESOURCES
Water Conservation Grant Report

Applicant: **Santaquin City**

Project Number: RM107
Fund: ARPA Grant
Cost Estimate: $1,690,000

Application Received: 2/21/2023
Board Meeting Date: 6/29/2023

Board Member: Provo River District
Project Manager: Tom Cox

Project Summary: The purpose of the project is to replace approximately 2,580 mechanical secondary water meters and install the necessary communication equipment.

Recommendation: Staff recommends the Board authorize and commit 100% of the project cost, up to $1,690,000, as a Water Conservation grant.

Project Contacts:

Mayor:
Daniel Olsen
275 West Main Street
Santaquin, UT 84655
801-754-3211

City Manager:
Norm Beagley
275 West Main Street
Santaquin, UT 84655
801-754-1906

Engineer:
Jon Lundell
275 West Main Street
Santaquin, UT 84655
801-754-1974

Location

The proposed project is located in Santaquin City in Utah County.

Project Summary

Utah is one of the driest states in the nation, one of the fastest-growing, and drinking water sources are limited. In addition, potential climate change impacts and the current multi-year drought in Utah threaten water supplies and put public drinking water supplies at risk. Municipalities and water companies need to reduce their water use to stretch their existing drinking water supplies. Many Utah communities also have "secondary" water, typically used to irrigate lawns and gardens. Secondary water is not treated to culinary standards and is utilized throughout the state to protect the drinking water supplies. However, many users waste this precious resource because they do not realize how much they are using. The State of Utah believes that it is critical to invest in water conservation, water metering, and dual water pipe and secondary water distribution systems to protect potable drinking water supplies. This will also help lower the cost of treating drinking water and make it more cost-effective by decreasing the amount of water that needs to be treated to potable standards.

Technology has improved over the last decade and allows for the metering of untreated secondary water. Individual water use cannot be measured without metering, so water suppliers have begun installing meters on their secondary water connections. By educating their customers on their measured use compared to the amount they should be using, suppliers have seen as much as a 20-30% reduction in use. Secondary metering, combined with conservation and education, protects the drinking water supplies and allows drinking water providers to plan for their future growth.

In 2022, the Utah Legislature allocated ARPA funds for secondary water suppliers to purchase and install meters on existing pressurized systems. In 2023, additional funds were allocated by the Legislature for those systems that installed meters prior to May 4, 2022. As indicated in Utah Code 73-10-34.5(7), those systems that have not otherwise received a grant to install secondary meters can receive a grant from the Board for the purpose of conservation; and in an amount not to exceed $2,000,000.

The Applicant began installing meters on their pressurized secondary system in 2007.

The Applicant has approximately 3,990 secondary connections. All the connections are metered. The average lot size is 0.30 acre, with about 0.23 acre irrigated.

The Applicant is requesting funding to replace approximately 2,580 mechanical meters on the secondary system which are not reading accurately. The project also includes installing the necessary communication equipment for these meters, three radio base stations and a communication tower.

The Applicant expects to conserve about 230 acre-feet of water upon completion of the project.

Construction is expected to begin spring 2024 and be completed in one year, depending on material and labor availability. Engineering services are being provided by Santaquin City staff.

Cost Estimate & Sharing

The estimated cost of the project is $1,690,000. The recommended cost sharing is as follows:

Agency	Cost Sharing
Board of Water Resources Water Conservation Grant	$1,690,000
TOTAL	**$1,690,000**

Staff recommends the Board authorize and commit 100% of the project cost, up to $1,690,000, as a Water Conservation grant.

Applicant: **Eden Water Works Company**

Project Number: RE470
Fund: Conservation and Development Fund
Cost Estimate: $2,000,000

Application Received: 4/21/2023
Board Meeting Date: 6/29/2023

Board Member: Kyle Stephens
Project Manager: Tom Cox

Project Summary: The purpose of the project is to install about 6,800 linear feet of 12- and 8-inch PVC transmission line.

Recommendation: Staff recommends the Board authorize and commit 85% of the project cost, up to $1,700,000, and that the project be purchased at 1% interest over 30 years with annual payments of approximately $65,900.

Project Contacts:

President:
Jon Werner
5402 E. 2200 N.
Eden, UT 84310
801-391-2223

Secretary:
Annette Story
PO Box 13
Eden, UT 84310
801-791-1771

Engineer:
Nathan Smith
J-U-B Engineers
466 N. 900 W.
Kaysville, UT 84414
801-547-0393

Location
The proposed project is located in Eden in Weber County.

Introduction & Background
Eden Water Works Company provides culinary water to approximately 527 residential, commercial, and industrial connections. Water is obtained from springs and two wells, stored in two tanks with a combined capacity of 1.5 million gallons, and delivered through approximately 28 miles of pipeline ranging from four to 12 inches in diameter.

The Applicant received funding from the Board in 1993 for a project that included construction of a water tank, equipping their two wells and installation of pipeline. The project has been repaid.

Existing Conditions & Problems
The oldest pipes in the current system were installed in the 1960's and include four-inch diameter pipes that are undersized for current standards and are reaching the end of their useful life. Because of the smaller diameter pipes, the system does not have the required fire flow capacity and the current configuration limits the ability to serve the lower part of the system.

Proposed Project
The Applicant is requesting financial assistance from the Board to install approximately 6,800 feet of eight and 12-inch culinary water pipeline. Because of concerns of adequate supply to the south part of the system and limited fire flow capacity, the Applicant requests the funding be authorized and committed at this time so they can begin construction as soon as possible.

Technical assistance is being provided by J-U-B Engineers.

Benefits
Installing the proposed project will provide additional fire protection capacity in the system and redundancy in delivering water to the southern part of the Applicant's service area.

Cost Estimate

The following cost estimate is based on the engineer's preliminary design and has been reviewed by staff:

Item	Description	Quantity	Unit	Unit Price	Total
1	Mobilization	1	LS	$125,000	$125,000
2	12" Pipe	5,800	LF	140	812,000
3	8" Pipe	1,000	LF	130	130,000
4	Highway Bores	1	LS	210,000	210,000
5	Valves/Fittings	1	LS	105,000	105,000
6	Fire Hydrants	5	EA	9,500	47,500
7	Connections	1	LS	75,000	75,000
8	Restoration	1	LS	40,000	40,000
				Construction Cost	**$1,544,500**
				Contingency	180,500
				Design & Construction Engineering	250,000
				Legal and Administrative	25,000
				TOTAL	**$2,000,000**

Cost Sharing & Repayment

The recommended cost sharing and repayment are as follows:

Agency	Cost Sharing	% of Total
Board of Water Resources	$1,700,000	85%
Applicant	300,000	15
TOTAL	**$2,000,000**	**100%**

Staff recommends the Board authorize and commit 85% of the project cost, up to $1,700,000, and that the project be purchased at 1% interest over 30 years with annual payments of approximately $65,900.

Economic Feasibility

There is no viable alternative for this project; therefore, a benefit/cost ratio of 1.0 has been assigned.

Financial Feasibility

Based on the Board's water service affordability guidelines, residents in the Applicant's service area could pay up to $94.50 monthly for water. The current average monthly cost is $94.00 per residential connection. The cost of all water, including the Board's funding, based on 527 connections, is as follows:

Water Cost	Annual Cost	Cost/Conn/Mo
Average Culinary Water Bill	$411,060	$65.00
Average Secondary Water Assessment	183,396	29.00
Proposed Board of Water Resources Loan	65,900	10.42
TOTAL	**$660,356**	**$104.42**

Water Rights & Supply

The Applicant utilizes water from a spring and well under its own water right and two wells under exchange rights with Weber Basin Water Conservancy District.

Water rights related to this project are as follows:

Water Right Number	Flow / Volume (cfs / ac-ft)
35-7189	0.3 cfs
E6390	216 ac-ft
E5966	50 ac-ft
E3098	50 ac-ft

Easements

The pipeline will be installed along roadways in existing utility easements. No additional easements will be needed.

Environmental

No long-term environmental impacts are anticipated with the project.

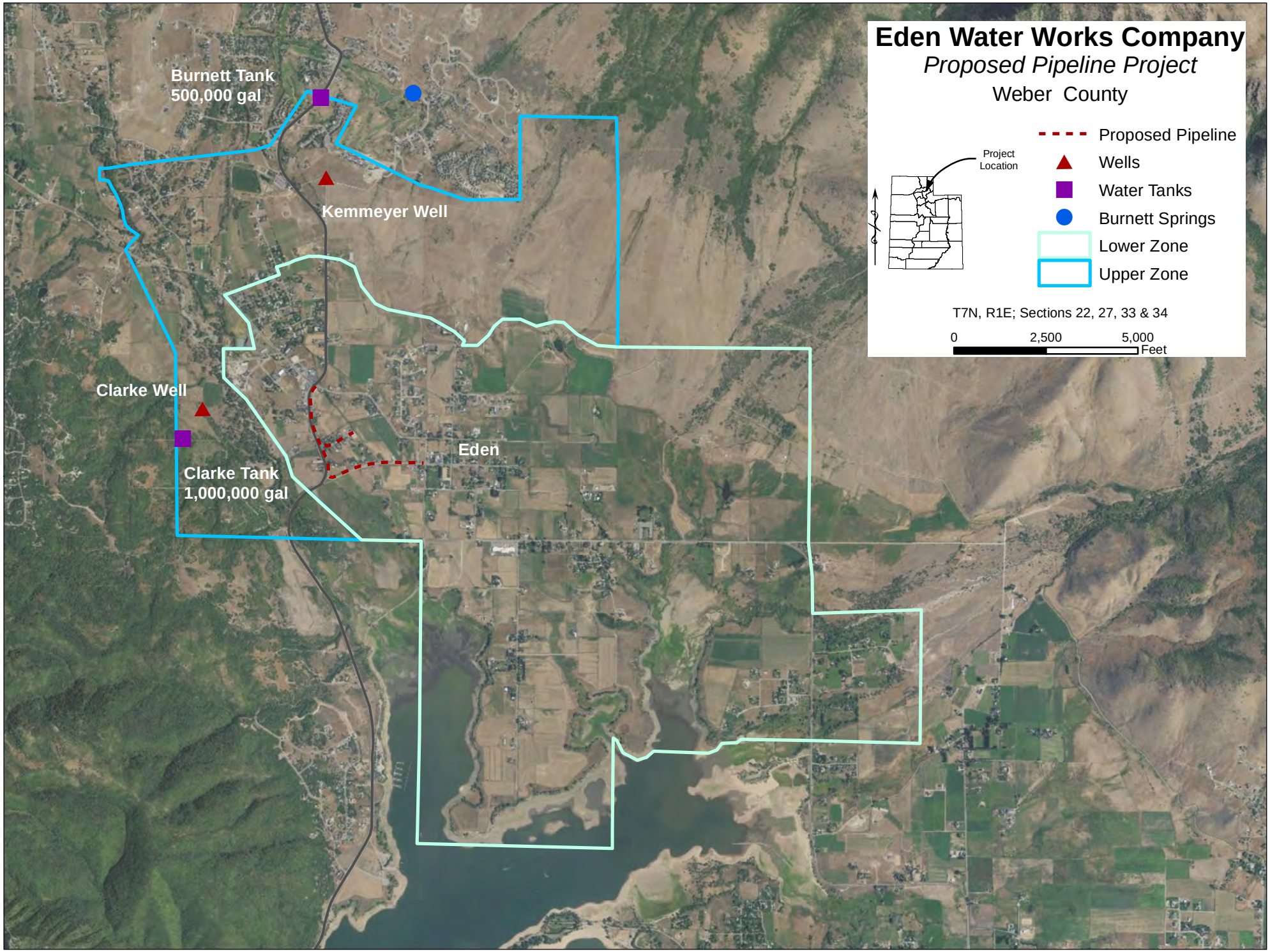
Water Conservation

The Applicant does not expect to conserve water from the project. However, they will be required to submit a Water Conservation Plan to the Division for approval.

Applicant's Responsibilities

If the Board authorizes the proposed project, the Applicant must do the following before a purchase agreement can be executed:

1. Obtain all easements, rights-of-way, and permits required to construct, operate, and maintain the project.
2. Pass a resolution by the appropriate majority (as defined in the company's Articles of Incorporation and Bylaws) authorizing its officers to do the following:
    a. Assign properties, easements, and water rights required for the project to the Board of Water Resources.
    b. Enter into a contract with the Board of Water Resources for construction of the project and subsequent purchase from the Board.
3. Have an attorney give the Board of Water Resources a written legal opinion that:
    a. The company is legally incorporated for at least the term of the purchase contract and is in good standing with the state Department of Commerce.
    b. The company has legally passed the above resolution in accordance with the requirements of state law and the company's Articles of Incorporation and Bylaws.
    c. The company has obtained all permits required for the project.
    d. The company owns all easements and rights-of-way for the project, as well as the land on which the project is located, and that title to these easements, rights-of-way, and the project itself can be legally transferred to the Board.
    e. The company's water rights applicable to the project are unencumbered and legally transferable to the Board of Water Resources, and that they cover the land to be irrigated by the project.
4. Submit a water conservation plan for its service area and obtain approval of it from the Division of Water Resources.
5. Obtain approval of final plans and specifications from the Division of Water Resources and Division of Drinking Water.
6. Adopt a rule prohibiting its users from irrigating landscapes between the hours of 10:00 a.m. and 6:00 p.m.


Eden Water Works Company
Proposed Pipeline Project
Weber County
Project Location
Proposed Pipeline
Wells
Water Tanks
Burnett Springs
Lower Zone
Upper Zone
T7N, R1E; Sections 22, 27, 33 & 34
0
2,500
5,000
Feet
Burnett Tank
500,000 gal
Kemmeyer Well
Clarke Well
Clarke Tank
1,000,000 gal
Eden

BOARD OF WATER RESOURCES
Application Summary

Applicant: **Woodland South Hills Irrigation Company**

Project Number: RE471
Fund: Revolving Construction Fund
Cost Estimate: $435,000

Application Received: 6/1/2023
Board Meeting Date: 6/29/2023

Board Member: Provo River District
Project Manager: Russell Hadley

Project Contacts:

President:
Jason D. Smith
4200 Red Fox Road
Woodland UT 84036
801-634-5748

Secretary:
Amanda Wells
4410 Upper Aspen Loop
Woodland UT 84403
435-513-2127

Engineer:
Jones & Associates
6080 Fashion Point Drive
South Ogden UT 84403
801-476-9767

Location
The proposed project is located about two miles southwest of Woodland in Wasatch County.

Proposed Project
The Applicant is requesting financial assistance from the Board to construct a new pump house and install pumping equipment and a SCADA system.

Water Rights
- 55-11707
- 55-7082
- 55-8596 (E2472)
- 55-8977 (E3435)
- 55-8978 (E3436)
- 55-9545 (E4046)
- 55-9736 (a27333)

Proposed Prioritization for Additional Secondary Meter Grant Funds
June 29, 2023

Legislative Summary

In the 2021 Legislative session, $50,000,000 from the American Rescue Plan Act (ARPA) funds were allocated to the Board of Water Resources (Board) to provide grants to secondary water suppliers to install meters. In addition, the Board was directed to adopt rules for these funds and adopted R653-10.

Section R653-10-3(2) indicates that "(a) A secondary water supplier with 7,000 secondary water connections or fewer may receive no more than $5,000,000 in grant funds. (b) A secondary water supplier with more than 7,000 secondary water connections may receive no more than $10,000,000 in grant funds."

In the 2022 Legislative session, legislation was passed that requires pressurized secondary water suppliers to meter all secondary connections (see Utah Code 73-10-34) and allocated an additional $200,000,000 in ARPA funds to provide grant funds to install secondary meters. The law included the same requirements for the maximum limit of the grant amounts and prioritization that the Board adopted in R653-10 and codified it for the additional funds.

During a 3rd application period, applicants that had previously received the maximum limit of the ARPA funds from the $200,000,000 allocation could apply again for additional grant funding.

Requirements of Prioritization

The code requires that the Division of Water Resources (Division) review and prioritize applications and make recommendations to the Board regarding grant amounts. The Division is required to rank the applicants based on the following weighted factors:

- 60% weight based on the ratio of estimated water use reduction divided by total state investment
- 20% weight based on an applicant facing current or potential water shortages when installation of meters and subsequent water use reductions will result in delaying or eliminating the need for new water development
- 20% weight based on a project's accelerated construction schedule, prompt start, and prompt finish

The submitted applications include the information needed to evaluate the applications for each of these three factors.

Staff Recommendation

Staff recommends the Board approve the prioritization process as presented. Actual grant amounts will be determined when projects are presented for the Board's committal of funds.

Presented by Marisa Egbert, Project Funding Manager

	CONSERVATION - "Return on Investment"							TIMELINE "Shovel Readiness"		SHORTAGE "Need"		REMAINING FUNDING $ 41,000,000			
	From Application														
App	Conserved AF	Revised Conserved AF	Loan Request	Grant Request	AF per $10,000 investment	% of max AF/$$	Conservation Rank	Division Score	Timeline Rank	Division Score	Shortage Rank	TOTAL SCORE	% of Remaining Funds	Grant Amount	Rounded Grant Amount
Syracuse City	1286	1,042	$ 4,181,556	$1,478,779	1.84	100.0%	60.00	1.0	20.0	1.00	20.0	100.0	----	$1,478,779	$1,479,000
Bountiful Irr Dis	3600	1,510	$ 2,765,111	$7,590,503	1.46	79.2%	47.53	1.0	20.0	0.97	19.5	87.0	18.65%	$7,370,580	$7,371,000
Lehi City	4100	1,371	$ 3,430,000	$10,000,000	1.02	55.5%	33.27	1.0	20.0	1.00	20.0	73.3	15.71%	$6,207,664	$6,208,000
Davis/Weber CCC	840	840	$ 3,430,000	$10,000,000	0.63	34.0%	20.39	1.0	20.0	1.00	20.0	60.4	12.94%	$5,115,896	$5,116,000
Roy WCD	800	800	$ 3,430,000	$10,000,000	0.60	32.4%	19.42	1.0	20.0	1.00	20.0	59.4	12.74%	$5,033,653	$5,034,000
Weber Basin WCD	1356	1,356	$ -	$8,014,175	1.69	91.9%	55.15	1.0	20.0	0.53	10.5	85.7	18.37%	$7,258,302	$7,258,000
Weber Box Elder CD	4680	1,477	$ 3,430,000	$10,000,000	1.10	59.7%	35.85	1.0	20.0	0.00	0.0	55.8	11.97%	$4,731,205	$4,731,000
South Ogden CD	858	1,026	$ 3,430,000	$10,000,000	0.76	41.5%	24.90	1.0	20.0	0.00	0.0	44.9	9.63%	$3,803,921	$3,804,000
				$67,083,457								466.49	100.0%	$41,000,000	$41,001,000

Conservation Rank ("Return on Investment")
1) Divide amount conserved (af) by total of ARPA grant AND Loan funds requested (F)
2) Multiply by 10,000 (F)
3) Score af/cost by dividing "AF per $10,000" for applicant by "Max AF Conserved" overall (G)
4) Multiply percentage by 60 "points" (H)

Timeline Rank ("Shovel Readiness")
1) All applicants receive a score of 1.00 as all have ongoing projects already underway (I)
2) Multiply score by 20 "points" (J)

Shortage Rank ("Need")
1) Use year 2060 as "baseline" for future planning (see below)
2) Subtract 2022 from 2060 = 38 years (see below)
3) Subtract year indicated on application for shortage from 2060 (see below)
4) Divide result from #3 by result from #2 (38 years) (K)
5) Multiply score by 20 "points" (L)

Applicant	"A" 2060-2022	"B" 2060-??	Score A / B
Bountiful ID	38	37	0.97
WBWCD	38	20	0.53
Other Applicants		"2022" shortage =	1.00
		"No" shortage=	0.00

TOTAL SCORES, % of Remaining Funds, Grant totals
1) Add results of three "Ranks" for a "TOTAL SCORE" (M)
2) Syracuse gets 100% of request (See M_4)
3) Add up "TOTAL SCORES" minus Syracuse (M_13)
4) Divide each "TOTAL SCORE" by M_13 (N)
5) Multiply "% of Remaining Funds" by "Remaining Funding" (minus Syracuse amount) (O)

Landscape Incentives
June 29, 2023

Background:

- Funded by HB 121 (2022), SB 118 (2023)
- $5M one-time funding 2022, $5M one-time funding 2023, $3M ongoing funding
- Intention: Save water by replacing existing grass in non-functional areas with waterwise landscaping
- Cities and Counties must adopt ordinances for new construction before the landscape incentives program will be offered in their area
- A list of eligible cities can be found at conservewater.utah.gov/landscape-rebates/
- Partnerships with Central Utah, Jordan Valley, Washington County, and Weber Basin Water Conservancy Districts to make this program possible
- Administrative rules being updated to reflect changes made by SB 118

Implementation:

- Launched May 1, 2023 through UtahWaterSavers.com to eligible cities
- Central Utah, Jordan Valley, Washington County, and Weber Basin Water Conservancy Districts are running landscape incentive programs in their areas with the help of state funds
- In areas outside of the conservancy district service areas, the Division of Water Resources is running the program
- Over 40 cities are currently eligible for incentives
- Region-specific program requirements

Looking Ahead:

- More cities become eligible for incentives every week
- SB 118 expanded incentives to include more than private properties
- Many properties opt to DIY their projects, projects take time
- Additional website updates
- Program changes as needed

Presented by Shelby Ericksen, Water Conservation Manager

Unapproved

BOARD OF WATER RESOURCES
BRIEFING MEETING
MINUTES
May 11, 2023

Utah Department of Natural Resources

Utah Board of Water Resources
Board Briefing Minutes
Department of Natural Resources
May 11, 2023
10:00 AM

BOARD MEMBERS PRESENT

Chair Juliette Tennert

Charles Holmgren

Kyle Stephens

Blaine Ipson

Dana Van Horn

Spencer Jones

BOARD MEMBERS NOT PRESENT

Randy Crozier (excused)

STAFF PRESENT

Director Candice Hasenyager

Deputy Director Joel Williams

Assistant Director Shalaine DeBernardi

Assistant Director Todd Stonely

Tom Cox

Marisa Egbert

Randy Staker

Eric Dixon

Ben Marett

Steven Gregerson

Russell Hadley

Shannon Clough

Ann Baynard (virtual)

Carly Payne

Mariah Kahn (virtual)

AV team Carmen McDonald, Paul Gedge & Seth Majors

CHAIR JULIETTE TENNERT called the meeting to order at 10:01 AM and announced Board Members present. Randy Crozier is excused from today's meetings.

DIRECTOR CANDICE HASENYAGER announced staff and others present. New employees Mariah Kahn & Carly Payne were introduced to the Board.

CHAIR JULITTE TENNERT first we'll have Todd Adams administer the oath of office to our new board members, and Blaine who's been reappointed. Then we'll have our election of a new Vice Chair.

DISCUSSION OF BOARD AGENDA ITEMS:

APPROVAL OF MINUTES:

CHAIR JULIETTE TENNERT asked for any changes that needed to be made to the minutes from the last meeting. The Board agreed no changes needed to be made.

COMMITTAL OF FUNDS:

RM026 Town of Annabella Sevier Ben Marett

BLAINE IPSON Annabella is a small town in Sevier County, southeast of Richfield. This one is for some of the secondary meters. There's 224 secondary meters, and this is a committal of funds.

RM028 Gunnison City Sanpete Ben Marett

The purpose of the project is to purchase and install approximately 850 secondary water meters.

RM065 Benchland Water District Davis Ben Marett

The project is to purchase and install approximately 1,900 secondary water meters.

RM067 Wolf Creek Irrigation Company Weber Ben Marett

There was an error in the Board motion in the report that will need to be fixed. I want to make a note when we talk about it in the Board meeting. In the report, the motion says that the project will be purchased at 1% interest over approximately 15 years, that approximately should

be crossed out. So, it is exactly 15 years. We're not saying exactly but it will be 15 years with annual payments of approximately $9,600. It should say, staff recommends the Board commit 25.5% of the project cost up to $132,600 that the project be purchased at 1% interest over 15 years with annual payments of approximately $9,600.

RE450 Draper Irrigation Co. Salt Lake Russell Hadley

The cost is going to be the same, $22 million, as it was. They are still planning on drilling a couple of shallow wells and tying into the Jordan Basin Water Reclamation facility and to reuse the effluent from that pump station. They're going to upgrade the Fort Street Pump station and install about 11,000 feet of pipeline. This is going to add better quality and more water for their secondary system. The cost is going to be the same as originally authorized for the total of all three phases at $22 million. They want to break this up into three phases now. The Applicant is requesting committal of funds only for Phase I at this time and will return to the Board for committal of funds for Phases 2 and 3 when they are ready to proceed with each phase. Phase 1 is to develop the shallow wells and install almost 10,000 feet of 16” and 30” pipeline. The total estimated cost is $9,570,000. They have a $2,000,000 US Bureau of Reclamation (USBR) Drought Resiliency Grant that has been obtained for Phase1.

SPECIAL ITEMS:

RC023 Consolidated Sevier Bridge Reservoir Co. (Dam Safety Funds) Juab Tom Cox

The purpose of the project is to complete the state minimum dam safety standards upgrade on Sevier Bridge Dam. Work will include removing and replacing the existing spillway structure and gates, improving the downstream foundation materials, adding a stability berm, and installing toe drains.

Last year, we had $17.1 million in dam safety grants available. That is what the Board committed along with those $1.9 million dollars in loan funds. If you look at the chart that says the cost estimate was $19 million and today it's $26 million. The cost didn't jump that much in one year; it was just to keep the cost shares straight, So we showed those numbers last time a year ago when we committed those funds. The legislature appropriated $25 million dollars in additional dam safety grant money. So, we have money now to finish funding the project. Right now, the cost estimate is $26 million. The Board will be considering committing 90% of that amount; which is $23.4 million in dam safety grant, and the other 10% in loan funds from the Conservation & Development (C&D) Fund. And that's $2.6 million. That will be listed in two separate motions, one for the grant and one for the loan. The project is under construction, and they're scheduled to be finished before the end of the year.

BLAINE IPSON the President of the company will try to join electronically. He's with Joel Ferry and Theresa Wilhelmsen on another tour of the project, and cell coverage is not always good, but we will try to get him on when it's time.

RC057 Ferron Canal & Reservoir Co. (Dam Safety Funds) Emery Tom Cox

The purpose of the project is to rehabilitate Millsite Dam to bring it into compliance with current dam safety standards. They started construction in 2017 and it was supposed to be finished by the end of 2018. After they began construction, they found a deficiency in the spillway designs that kind of brought things to a halt. This was partly because they had to redesign it and the contractor took a lot longer than he needed to. And there were some other things that needed to be finished up. It won't be finished until this fall. Because of that and inflation, the cost estimate has gone up. If you look at the cost estimate from three years ago it was $37.2 million, but it has increased to $39.5 million. Three years ago, we were in the same situation, they needed another $6.37 million in Dam safety grant funding. We only had $3 million at that point. So, the Board committed those $3 million in dam safety grant funds. But because they thought they needed the cash flow to keep things going, the company agreed to take out a low-interest loan, a kind of a bridge loan until other dam safety grant funds became available. And because of the one-time appropriation, it's available now. So, we will be recommending the Board commit an additional $4,360,000 in a dam safety grant, and that the contract be amended to state the Board will provide 40.3% of the project cost, up to $15,930,000. The last time the project was presented to the Board in March 2020, an additional $6,370,000 in funds were needed. However, only $3,000,000 in grant funds were available at that time. The Applicant was willing to take out a low interest loan of $3,370,000 with the Board to cover the difference until enough grant became available. The additional proposed grant amount of $4,360,000 will pay off the loan ($3,370,000), as well as the Board's cost share of remaining expenses ($990,000 or 90% of the non-NRCS grant amount). The Board will continue to provide 90% of the non-NRCS grant project cost amount and the Applicant will continue to supply its cost share (10% of the non-NRCS grant amount) in the form of donated materials and cash.

RE308 Summit Creek Irrigation & Canal Co. (Additional Funds) Utah Ben Marett

The purpose of this project is to install a new submersible well pump as part of a larger previous project for water management and development. They are looking for an additional funding amount of $373,700. Summit Creek Irrigation & Canal Company delivers irrigation water from Summit Creek in Santaquin Canyon to 2,980 acres of agricultural land; much of it used in orchards. Water is also delivered to Santaquin City for secondary water, and they own approximately 25% of the shares in the company. Back in 2012, the city of Santaquin and Genola were having issues with flooding at the same time, they were also noticing that there were issues with the aquifer elevation. It was fluctuating a lot and causing problems with people using ground water wells. To address these issues, the Board authorized funding for an extensive water management project to provide flood relief while stabilizing the aquifer. These

objectives were to be accomplished in three phases by repairing flood control dams, piping canals, installing diversion structures, drilling wells, and implementing an aquifer recharge and recovery program. The Applicant cooperated with Santaquin City, Genola City, and the Strawberry High Line Canal Company to implement the project. Work on Phases 1, 2, and parts of Phase 3 were completed by 2018, including the replacement of the outlet gate of Summit Creek Dam #2, piping the remaining 3,220 feet of the Applicant's main canal, installing control structures, modifying about 20,000 feet of open canal, and installing approximately 3,700 feet of pipe for flood control. The Board's contracted amount of $1,776,500 has been spent to date. The Applicant has received additional funds from the Board for different phases and the repayments have increased subsequently. The current repayment is approximately $95,000 with an interest rate of 2.5% interest. A payment of $95,000 will be due this year (December 2023), and payments will increase next year. Santaquin City would like to use the water from the 400 South Well to fill a regulating pond that supplies its secondary water system. With the equipment the Applicant originally proposed, a booster pump station would be required to develop sufficient head to deliver the water to the pond. Santaquin City has agreed to pay for an upsized motor which would provide enough head at the well to transport the water to the regulating pond without needing a booster pump station. Santaquin City and the Applicant are creating a Memorandum of Understanding (MOU) to work together on the project. Under the MOU, the city would be responsible for any additional costs associated with the upsized pump motor. The estimated cost difference is about $125,000. The equipment installed under this agreement will be a 2 cfs pump with a 175 hp motor. Staff recommends the Board commit an additional $373,700 and amend the purchase agreement to state the Board will provide 85% of the project cost up to $2,094,200. The balance of the purchase price shall be returned at 2.5% interest over 20 years with annual payments of approximately $114,000.

RE431 Henefer Town (Re-Auth & Committal) Summit Russell Hadley

The purpose of the project is to install a pressurized and metered secondary water system and line two sections of a large irrigation canal. Originally the difference was they were going to install a head pond and a pump station to pressurize the system and it was all going to be in town. Since that time, they've gotten funding from the Division of Drinking Water to put a pipeline from the town all the way up to Echo Reservoir. So, they're going to have a gravity pressurized pipeline. The new cost is $4,460,000, they've lined up a WaterSMART grant and they are hoping to get a Water Optimization Grant from Utah Department of Agriculture and Food (UDAF). We're looking at 30 years for repayment at this time because the cost went up.

KYLE STEPHENS If the UDAF Grant is not awarded (approved) in August the Applicant may return to the Board for additional funding.

RE443 Sunrise & Bench Creek Irr. Co. (Withdrawal) Wasatch Russell Hadley
RL577 St. George City (Withdrawal) Washington Russell Hadley

One motion for both to be withdrawn.

NEW APPLICATIONS (no presentations will be made)**:**

RE468 Liberty Pipeline Company	Weber	Anny Baynard
RE469 Grantsville Irrigation Co.	Tooele	Russell Hadley
RE470 Eden Water Works Co.	Weber	Tom Cox

Secondary Meter Grant - Additional Funds, Proposed Prioritization:
MARISA EGBERT you have the summary in your folder, and I'll read that in the meeting.

The code requires that the Division of Water Resources (Division) review and prioritize applications and make recommendations to the Board regarding grant amounts. The Division is required to rank the Applicants based on the following weighted factors:
• 60% weight based on the ratio of estimated water use reduction divided by total state investment
• 20% weight based on an Applicant facing current or potential water shortages when installation of meters and subsequent water use reductions will result in delaying or eliminating the need for new water development
• 20% weight based on a project's accelerated construction schedule, prompt start, and prompt finish.

Current Status
• Eight applications
• Total amount requested: about $67 million
• ARPA grant funds available: about $41 million

Staff Recommendation
Staff recommends the Board approve the prioritization and ranking as presented. Individual grant amounts will be based on the weighted percentage and the funds available at the August Board meeting.

All 8 Applicants are underway. So all received a point (1.0) for the "Timeline" which gives a score of 20 for that ranking criteria.
We had to look at water shortages and needs, so we looked at a planning year of 2060 and worked with the years the applicants said they'd have shortages. Those with the greatest need got a score of 20, and others ended up with 0.
The greatest difficulty came with the amount of conservation/water reduction expected. Since some applicants had put the same conservation amount in their second application as they put in the first application, we had to look at those and make adjustments to 4-5 to come up with more accurate numbers. And then that amount is divided by the total state investment to come up with the score for the highest value in the calculations.

A follow-up will take place at the next Board meeting on June 29th.

SECONDARY METER GRANT DEADLINE:
SHALAINE DEBERNARDI the Board is being asked to set a deadline of January 1, 2024, for applications to formally accept, reject, or request a modification to their existing grant.

CAPITAL ASSET MANAGEMENT PLAN RULES:
SHALAINE DEBERNARDI no action will be taken today. The Attorney General's Office, along with Division staff, have created draft rules to meet the requirements of HB269 (2022). Those are attached, and staff asks the Board to review these rules and provide comments, questions, or concerns by June 1, 2023. Staff will ask the Board to adopt the final rules at its June meeting.

DIRECTORS REPORT:

CANDICE HASENYAGER we have been sending out the email for the Water in the News (Water-related articles). It is a way that we can send relevant water articles to you, and you can kind of see what's going on at Water Resources. I will be giving an update on my trip to Israel. I want to talk to you about the Bear River Commission meeting that was held last month. There's a lot going on obviously on the Colorado River with the Bureau of Reclamation releasing the draft Environmental Impact statement modifying the current operations. There is a deadline for public comment at the end of the month.

We just launched our landscaping incentives. The Governor held a press release on May 1st, and we were able to launch that through Utah Water Savers. I will talk a little about the transition between the Agricultural Optimization Task Force and the new committee. Governor Cox is not only one week issuing executive orders regarding emergency declarations regarding flooding, this week he's also released an executive order requiring water conservation at state facilities with the goal of increasing Utah's long-term drought resiliency. I will give a little brief update on the Great Salt Lake. And then finally, we have a Growing Water Smart workshop, the first week of June in Logan with seven different cities. This is a brief report that I will cover at the Board meeting.

STATUS OF FUNDS: SHALAINE DEBERNARDI

There is something I wanted to highlight today on the revolving fund. I know there's been a lot of secondary meter stuff lately and there still is, but you'll notice in the revolving fund with the presentations today of the additional dam safety grants, it looks like the revolving fund is going to go in the hole. I just wanted to explain that part and the reason why it looks like that. We did receive most of what we asked for from the legislature for more money for dam safety. A lot of times they ignore us. This time they didn't. On July 1st we will have more funds available for dam safety, but we don't want to wait till then to ask for committal. Those funds that were provided will go through the Revolving Construction Fund for these dam safety projects and we don't want to wait until the next meeting on June 29th. It takes some time to get the paperwork done. We're going to go ahead and ask you for committal today so we can get going on the paperwork. When the new funds become available on July 1st, we can immediately get them

going out the door. We're not really overspending our revolving funds, even though it kind of looks like that, we'll make sure that doesn't happen, but that's the primary reason for the change from the last meeting to now is those two dam safety grants.

The next section is projects that have had funds committed, but also includes the ones that will be presented today, so they aren't officially committed yet. We're asking you to commit funds today. The Conservation and Development Fund (C&D fund) is the big one besides the meter grants where we have lots happening. You can see that in this current fiscal year, we've contracted for about $64 million. And then we have another $35 million committed. The authorization is broken up into two sections in the C&D fund just so they're easy to see. We didn't do it with the Committed or the Contracted, but in the Authorized we have regular projects authorized, and then secondary meter projects authorized just to kind of keep them separate while we track them before they get to the committal phase. You can see the several there that will be requesting committal of funds today. We still have funding available in that fund. We have our different grant funds for secondary meters. We've got the small system secondary meter grant funds, which you all committed funds for three more projects last meeting. We're using a little more of the funding that's available there. And then our $250 million for secondary meter grants. We've contracted 53 grants this fiscal year and $160 million and have another 47 committed. The last page of the Status of Funds is additional future funding needs. Some of these are projects that we requested had applications submitted quite some time ago. None of the new applications that have been submitted are really large projects, so we've got funding to cover those.

OTHER ITEMS:

DIRECTOR CANDICE HASENYAGER Lake Powell Pipeline updates: Currently they're working on updating the ethnographic study. The district (Washington County Water Conservancy District) obviously continues to emphasize water conservation and reuse, that is where their focus is right now. The Basin States continue to work to resolve issues related to the Colorado River, because of the drought and climate change and growing populations in the West. I saw an article in the news that said that there was a projected almost 70-foot increase to Lake Powell this year, which is great. I mean, that doesn't get us out of the woods, but it takes some pressure off while we implement all these different conservation efforts.

Board Tour in August, Bear River Basin. Mark your calendars August 9th & 10th.

KYLE STEPHENS moved to adjourn the meeting and BLAINE IPSON seconded the motion. The meeting adjourned at 11:42 am.

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SUMMARY OF BOARD ACTIONS

MAY 11, 2023

1. OATH OF OFFICE - NEW BOARD MEMBERS: Spencer Jones and Dana Van Horn were sworn in as new Board members. BLAINE IPSON was sworn in for another term as a Board member.
2. Election of Vice Chair BLAINE IPSON moved to elect CHARLES HOLMGREN as Vice-Chair, KYLE STEPHENS seconded the motion.
3. Approval of minutes CHARLES HOLMGREN moved to approve the March 22, 2023, minutes BLAINE IPSON seconded the motion.
4. RE450 Draper Irrigation Co. CHARLES HOLMGREN motion the Board commit 67.2% of the Phase I costs up to $6,435,000, and that the project be purchased at 1% interest over 25 years with annual payments of approximately $292,200. KYLE STEPHENS seconded the motion. All voted in favor and the motion passed.
5. RM026 Town of Annabella BLAINE IPSON made the motion that the Board commit 16.7% of the project cost, up to $113,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years with annual payments of approximately $9,000 (includes reserves). KYLE STEPHENS seconded the motion. All voted in favor and the motion passed.
6. RM028 Gunnison City BLAINE IPSON made the motion that the Board commit 25.5% of the project cost, up to $1,030,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years with annual payments of approximately $80,000 (includes reserves). SPENCER JONES seconded the motion. All voted in favor and the motion passed.
7. RM065 Benchland Water District KYLE STEPHENS made the motion that the Board commit 31% of the project cost, up to $2,440,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years with annual payments of approximately $189,000 (includes reserves). BLAINE IPSON seconded the motion. All voted in favor and the motion passed.
8. RM067 Wolf Creek Irrigation Co. KYLE STEPHENS moved the Board commit 25.5% of the project cost, up to $132,600, and that the project be purchased at 1% interest over 15 years, with annual payments of approximately $9,600. CHARLES HOLMGREN seconded the motion. All voted in favor and the motion passed.

9. RC023 Consolidated Sevier Bridge Res. Co. (2 motions) KYLE STEPHENS made the motion that the Board commit an additional $6,300,000 in dam safety grant funds, and that the contract be amended to state the Board will provide 90% of the project cost, up to $23,400,000, as a dam safety grant. CHARLES HOLMGREN seconded the motion.

10. RC023 Consolidated Sevier Bridge Res. Co. KYLE STEPHENS made the motion that the Board commit an additional $700,000 in loan funds, and that the funding agreement be amended to state the Board will provide 10% of the project cost, up to $2,600,000, as a loan from the Conservation and Development Fund, to be returned at 0.1% interest over 20 years CHARLES HOLMGREN seconded the motion. All voted in favor of both motions and the motions passed.

11. RC057 Ferron Canal & Reservoir Co DANA VAN HORN made the motion the Board commit an additional $4,360,000 in dam safety grant, and that the contract be amended to state the Board will provide 40.3% of the project cost, up to $15,930,000. KYLE STEPHENS seconded the motion. All voted in favor and the motion passed.

12. RE308 Summit Creek Irrigation Co. SPENCER JONES made the motion that the Board commit an additional $373,700 and amend the purchase agreement to state the Board will provide 85% of the project cost, up to $2,094,200. The balance of the purchase price shall be returned at 2.5% interest, over 20 years, with annual payments of approximately $114,000. BLAINE IPSON seconded the motion. All voted in favor and the motion passed.

13. RE431 Henefer Town (Re-Authorization & Committal) KYLE STEPHENS made the motion that the Board re-authorize and commit funds for 48.4% of the project cost, up to $2,157,000, and that the bonded indebtedness be returned at 1% interest over 30 years with annual payments of approximately $87,000 (including reserves). CHARLES HOLMGREN seconded the motion. All voted in favor and the motion passed.

14. RE443 Sunrise & Bench Creek Irr. Co. & RL577 St. George City SPENCER JONES made the motion to withdraw RE443 & RL577 from further consideration by the Board. BLAINE IPSON seconded the motion.

15. SECONDARY METER GRANT DEADLINE CHARLES HOLMGREN made the motion that the Board set a deadline of January 1,2024 for Applicants to formally accept, reject, or request a modification to their existing grant. KYLE STEPHENS seconded the motion. All voted in favor and the motion passed.

16. CHARLES HOLMGREN moved to adjourn the meeting. KYLE STEPHENS seconded the motion. The Board meeting was adjourned at 3:33 PM.

The Utah Board of Water Resources meetings are regularly streamed live and are recorded so citizens can watch them later. Please use the following link to access the most recent recordings: https://goo.gl.UfyPQn

Unapproved

BOARD OF WATER RESOURCES

MEETING MINUTES

June 29, 2023

Utah Department of Natural Resources

THOSE PRESENT

BOARD MEMBERS PRESENT:

Juliette Tennert, Chair
Blaine Ipson
Charles Holmgren
Kyle Stephens
Dana VanHorn
Spencer Jones

Not Present:
Randy Crozier (excused)

STAFF MEMBERS PRESENT:

Director Candice Hasenyager
Deputy Director Joel Williams
Assistant Director Shalaine DeBernardi
Assistant Director Todd Stonely
Marisa Egbert
Randy Staker
Russell Hadley
Tom Cox
Steven Gregerson
Ben Marett
Shannon Clough
AV Team Carmen McDonald ,Paul Gedge & Seth Majors

OTHERS PRESENT:

Rick Smith, General Manager Davis and Weber Counties Canal Company
Dean Lundell, Lehi City
Philip Rowley, President Summit Creek Irrigation Co.
Todd Rowley, Secretary Summit Creek Irrigation Co

On-Line:

Andy Nickle, President Consolidation Sevier Bridge Reservoir Co.
Thayne Clark, Engineer Consolidation Sevier Bridge Reservoir Co.
Roger Barton, Board member Ferron Canal/Reservoir

Brian Deeter, JUB Engineering Henefer Town
Kay Richins, Mayor Henefer Town

Utah Board of Water Resources
Board Meeting
May 11, 2023
1:00 PM Board Meeting
Department of Natural Resources
1594 W. North Temple, Salt Lake City

CHAIR JULIETTE TENNERT called the meeting to order at 1:00 PM and announced the Board members present.

DIRECTOR CANDICE HASENYAGER announced staff present as well as others present.

OATH OF OFFICE - NEW BOARD MEMBERS:

DNR Deputy Director - Todd Adams

Spencer Jones and Dana Van Horn were sworn in as new Board members. BLAINE IPSON was sworn in for another term as a Board member.

ELECTION OF VICE-CHAIR:

BLAINE IPSON moved to elect CHARLES HOLMGREN as Vice-Chair, KYLE STEPHENS seconded the motion.

APPROVAL OF MINUTES:

CHARLES HOLMGREN moved to approve the March 22, 2023 minutes. BLAINE IPSON seconded the motion.

NRCS WATER SUPPLY/DROUGHT REPORT:
Jordan Clayton provided an update about current conditions.

COMMITTAL OF FUNDS:

Project No.	Applicant	County	Project Manager
RE450	Draper Irrigation Co.	Salt Lake	Russell Hadley

The purpose of the project is to drill four shallow wells and install the Jordan Basin Water Reclamation facility reuse pump station. Upgrade the Fort Street Pump Station and install almost 11,000 feet of pipeline. The project will allow the Applicant to blend their share of the Jordan Basin Water Reclamation Facility (JBWRF). Effluent with shallow groundwater to use a higher water quality source for their pressurized secondary system. The Applicant will construct the project in three phases as follows. And just to review some of the work that's already been done on this. Draper Irrigation Company has installed a lot of that pipeline.

The Applicant will construct the project in three phases. Phase 1: Develop the shallow wells and install almost 10,000 feet of 16” and 30” pipeline. Construction is to begin in fall 2023. The total estimated cost: $9,570,000 includes contingency, engineering, and apprentice costs. A $2,000,000 USBR Drought Resiliency Grant has been obtained for Phase 1. Phase 2: Construct the JBWRF reuse pump station and install 1,000 feet of pipeline. Construction to begin fall 2024. Total estimated cost: $7,800,000 includes contingency, engineering, and appurtenant costs. Phase 3: Upgrades to the Fort Street Pump Station. Construction is to begin Fall 2025. Total estimated cost: $4,550,000 includes contingency, engineering, and appurtenant costs. An application for a $5,000,000 USBR Drought Resiliency Grant has been submitted for Phases 2 and 3. The Applicant is requesting committal of funds only for Phase 1 at this time. And will return to the Board for committal funds for Phases 2 and 3, when they're ready to proceed with each phase.

The cost is still estimated to be $22,000,000 . The original authorization for the $22,000,000 project was for the Board to fund 85% of that or $18,700,000 and the Draper Irrigation Company would fund 15% of that or $3,300,000. Now that we're breaking it into phases, it is proposed for Phase 1 cost sharing for the Board to provide $6,435,000. The Bureau of Reclamation grant will be $2 million. And the Applicant will provide $1,135,000. And as for those percentages for those phases, the Board share still represents 85% of the non-grant amount. That's what 67.2% is. That's 85% of the non-grant amount. At authorization the Board agreed to provide 85% of the project cost up to $18,700,000, and the project was to be purchased at 1% interest, over 25 years, with annual payments of approximately $849,100. Staff recommends the Board commit 67.2% of the Phase I costs, up to $6,435,000, and that the project be purchased at 1% interest over 25 years with annual payments of approximately $292,200.

STEVE CUNNINGHAM (General Manager) We appreciate the efforts by staff and the Board to work with us in these efforts. When we first applied for this and got approval of the funds back then. We have since been able to obtain these grants and their phased amount to correlate with the grant. There's timing to be had by each of these grants. So, we've received notice of selection on the $5,000,000 and we're in the process of getting that contract in place as we work with the Bureau. The significant cost and benefit to both the Division here and us as a company by receiving these grants, we appreciate the efforts and consideration here. Thank you.

KYLE STEPHENS looks like part of the project will be going under I-15. What size is the pipe that is going under that section of the freeway.

STEVE CUNNINGHAM (General Manager) 30-inch will be going under the freeway.

RUSSELL HADLEY they have drilled successful test wells and are ready to go with the production wells.

CHARLES HOLMGREN How deep are your shallow wells? And are you using the effluent directly or do you put it over the wells and let that go down and repump that water through your wells?

STEVE CUNNINGHAM (General Manager) the shallow wells will be close to 150 feet deep, and they will be blended with the reuse water.So they can operate independently, but the idea is that both feed into the same pipe and pump into the irrigation system. But because we'll be able to operate the well sooner than the reuse water, we will be able to utilize that water much sooner.

CHAIR JULIETTE TENNERT the window for electronic public comment has closed and we did not receive any public electronic comment on this project or any of the other projects that are on the agenda.

CHARLES HOLMGREN made the motion that the Board commit 67.2% of the Phase 1 costs up to $6,435,000, and that the project be purchased at 1% interest over 25 years with annual payments of approximately $292,200. KYLE STEPHENS seconded the motion. All voted in favor and the motion passed.

BEN MARETT the following four projects are all similar, secondary water projects which have previously had grant funds both authorized and committed. They have had loan funds authorized and are ready for committal of funds.

RM026 Town of Annabella Sevier Ben Marett

The project is to purchase and install 224 secondary water meters.
Staff recommends the Board commit 16.7% of the project cost, up to $113,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years with annual payments of approximately $9,000 (includes reserves).

BLAINE IPSON made the motion that the Board commit 16.7% of the project cost, up to $113,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years with annual payments of approximately $9,000 (includes reserves). KYLE STEPHENS seconded the motion. All voted in favor and the motion passed.

RM028 Gunnison City Sanpete Ben Marett

The purpose of the project is to purchase and install approximately 850 secondary water meters. Staff recommends the Board commit 25.5% of the project cost, up to $1,030,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years with annual payments of approximately $80,000 (includes reserves).

BLAINE IPSON made the motion that the Board commit 25.5% of the project cost, up to $1,030,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years with annual payments of approximately $80,000 (includes reserves). SPENCER JONES seconded the motion. All voted in favor and the motion passed.

RM065 Benchland Water District Davis Ben Marett

The purpose of the project is to purchase and install approximately 1,900 secondary water meters. Staff recommends the Board commit 31.0% of the project cost, up to $2,440,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years with annual payments of approximately $189,000 (includes reserves).

KYLE STEPHENS made the motion that the Board commit 31% of the project cost, up to $2,440,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years with annual payments of approximately $189,000 (includes reserves). BLAINE IPSON seconded the motion. All voted in favor and the motion passed.

RM067 Wolf Creek Irrigation Co. Weber Ben Marett

The purpose of the project is to purchase and install 170 secondary water meters. Staff recommends the Board commit 25.5% of the project cost, up to $132,600, and that the project be purchased at 1% interest over 15 years, with annual payments of approximately $9,600.

KYLE STEPHENS moved the Board commit 25.5% of the project cost, up to $132,600, and that the project be purchased at 1% interest over 15 years, with annual payments of approximately $9,600. CHARLES HOLMGREN seconded the motion. All voted in favor and the motion passed.

SPECIAL ITEMS:

RC023 Consolidated Sevier Bridge Res. Co. (Dam Safety Funds) Juab Tom Cox

The Sevier Bridge Dam, which holds back Yuba Reservoir, is in Juab County, but it provides water for the Delta area in Millard County. It's owned and operated by the Consolidated Sevier Bridge Reservoir Company. It's rated as a high hazard dam by the state Division of Water Rights. It falls under the restrictions of the minimum standards dam safety program. The Board, a year ago, committed funds for the project to bring the dam up to minimum standards. This is Phase II of the project. Phase I was completed around the year 2004. It cost about $3.5 million, and it included outlet improvements, control gates on the upstream side and the stability work on the upstream side of the dam. Only that much work was done then because of limited funding that the Board had available. Now we're at Phase II, which includes removing and replacing the existing spillway, and doing some downstream foundation improvement work. They will also be putting in toe drains and constructing a stability berm to address seismic issues. The project is under construction, and it is anticipated the project will be finished by the end of 2023.

In May 2022, the Board committed $1,900,000 in dam safety loan and $17,100,000 in dam safety grant towards Phase II of the project. The $17,100,000 was all the grant funds that were available at the time, and it was indicated that additional funds would be committed when available. The State Legislature appropriated additional dam safety grant funds in its latest session; therefore, the needed funds are available now. Funding terms on the previously committed $1,900,000 in loan are 0.1% interest with payments of approximately $127,700 over 15 years.

Staff recommends the Board commit an additional $6,300,000 in dam safety grant funds, and that the contract be amended to state the Board will provide 90% of the project cost, up to $23,400,000, as a dam safety grant.

Staff also recommends the Board commit an additional $700,000 in loan funds, and that the funding agreement be amended to state the Board will provide 10% of the project cost, up to $2,600,000, as a loan from the Conservation and Development Fund to be returned at 0.1% interest over 20 years with annual payments of approximately $131,400.

ANDY NICKLE (President) said the project is moving along really well and thanked the Board and staff for their help with this.

KYLE STEPHENS made the motion that the Board commit an additional $6,300,000 in dam safety grant funds, and that the contract be amended to state the Board will provide 90% of the project cost, up to $23,400,000, as a dam safety grant. CHARLES HOLMGREN seconded the motion.

KYLE STEPHENS made the motion that the Board commit an additional $700,000 in loan funds, and that the funding agreement be amended to state the Board will provide 10% of the project cost, up to $2,600,000, as a loan from the Conservation and Development Fund, to be returned at 0.1% interest over 20 years CHARLES HOLMGREN seconded the motion. All voted in favor of both motions and the motions passed.

For the record BLAINE IPSON did not vote. He abstained because he has shares in the company.

RC057 Ferron Canal & Reservoir Co. (Dam Safety Funds) Emery Tom Cox

The purpose of the project is to rehabilitate Millsite Dam to bring it into compliance with current dam safety standards. Millsite is located three miles west of Ferron in Emery County. It is a high hazard dam. The project includes replacing liquefiable soils at the downstream toe of the dam with engineered fill, flattening of the downstream slope, constructing a stability berm, installing chimney and toe drains, extending the outlet works, replacing the spillway and installing monitoring instrumentation. The project also includes restoring other facilities affected by the project such as the golf course, state park and county road. Construction began in the summer of 2017 and was expected to be complete in December 2018; however, a deficiency was discovered in the spillway design which has delayed work, and it has taken longer than anticipated for the contractor to complete embankment work. The work on the the embankment is essentially complete and restoration work is ongoing. It is now anticipated that the project may not be finished until Fall 2023. These issues, and other change orders, and expenses related to an extended construction period, have driven project costs up to an estimated $39,500,000. This is an increase of $2,300,000.

The last time the project was presented to the Board in March 2020, an additional $6,370,000 in funds were needed. However, only $3,000,000 in grant funds were available at that time. The

Applicant was willing to take a temporary low interest loan of $3,370,000 with the Board to cover thedifference until enough grant became available. The additional proposed grant amount of $4,360,000 will pay off the loan ($3,370,000), as well as the Board's cost share of remaining expenses ($990,000 or 90% of the non-NRCS grant amount). The Board will continue to provide 90% of the non-NRCS grant project cost amount and the Applicant will continue to supply its cost share (10% of the non-NRCS grant amount) in the form of donated materials and cash. Staff recommends the Board commit an additional $4,360,000 in dam safety grant, and that the contract be amended to state the Board will provide 40.3% of the project cost, up to $15,930,000.

ROGER BARTON (Board Member) thanked Tom, staff and the designers, and the Board for all of their work and support on this project. This is going to be great for the community.

DANA VAN HORN made the motion the Board commit an additional $4,360,000 in dam safety grant, and that the contract be amended to state the Board will provide 40.3% of the project cost, up to $15,930,000. KYLE STEPHENS seconded the motion. All voted in favor and the motion passed.

RE308 Summit Creek Irrigation Co. (Additional Funds) Utah Ben Marett

The purpose of this project is to install a new submersible well pump as part of a larger previous project for water management and development. The project is located near Santaquin in Utah County. This project is from back in 2012. The project is part of an effort to attenuate flood waters around Santaquin and Genola and protect them, and to help stabilize the aquifer in the area. It was a major project. There were a lot of entities that collaborated including Santaquin City, Genola City, the Strawberry Highline Canal Company, Summit Creek Irrigation Company and Utah County all worked together on this project. It was completed in multiple phases. There was work completed on debris basins, including outlet gates, thousands of feet of pipe were installed, canals were repaired and fixed, control structures were installed. And to date the Board has invested $1,776,500. The project has proceeded through three phases. And in this fourth phase, the Applicant is trying to get an aquifer recharge and recovery permit. And one of the requirements that they must meet to get that permit from the Division of Water Rights, is they must fully utilize their existing water right. Which brings us to this project, where they would like to install a new pump and motor inside of an existing well.

The well was drilled back in 1970. And initially the equipment that was installed in the well pumped too much water. So much that it pulled debris into the pump from the aquifer and caused the equipment to fail. The well has now been sitting idle for about 10 years. At this point the Applicant is requesting funding to install a new pump and a motor on the well. The City of Santaquin is also working with the Applicant this time around because they would like to contribute some money to the projects to upsize the motor, which will prevent them from having to install and maintain their own booster pump station. They would like to pump water from the well up to a regulating pond. The city owns 25% of the shares in the canal company, which they use for secondary water. Staff recommends the Board commit an additional

$373,700 and amend the purchase agreement to state the Board will provide 85% of the project cost up to $2,094,200. The balance of the purchase price shall be returned at 2.5% interest, over 20 years, with annual payments of approximately $114,000.

PHIL AND TOD ROWLEY (President and Secretary) expressed appreciation for the Board's help

SPENCER JONES made the motion that the Board commit an additional $373,700 and amend the purchase agreement to state the Board will provide 85% of the project cost, up to $2,094,200. The balance of the purchase price shall be returned at 2.5% interest, over 20 years, with annual payments of approximately $114,000. BLAINE IPSON seconded the motion. All voted in favor and the motion passed.

RE431 Henefer Town (Re-Authorization & Committal) Summit Russell Hadley

In November 2019, Henefer Town requested financial assistance from the Board to install a pressurized and metered secondary water system. The project also included lining two segments of the main canal owned by Henefer Irrigation Company. The town is a shareholder in the company and the saved water will help supply the town's proposed secondary system. The original plan also included constructing a head pond and pump station to pressurize the proposed secondary system. Since that time, it was decided to install a transmission pipeline to the base of Echo Reservoir to gravity pressurize the system rather than installing the pump station and head pond. Last year the Applicant applied for, and received, a loan from the Drinking Water Board (DWB) to cover the cost of this pipeline. Therefore, the pipeline will not be considered part of this project, and the Board of Water Resources is being asked to provide funding only for the installation of the secondary system and canal lining. A WaterSMART Grant of $1.5 million has been approved for the project. In addition, the Applicant is applying for a Water Optimization Grant from the Utah Department of Agriculture and Food (UDAF) for $423,000. If the UDAF Grant is not awarded (expected to be announced in August), the Applicant may return to the Board for additional funding. The project was put out for bid recently, and the bids are significantly higher than the initial estimate. Thus, the Applicant is requesting an additional $661,000 in funding from the Board. The authorized amount was $1,496,000 and the bonded indebtedness was to be returned at 1% interest over 25 years with annual payments of approximately $71,000 (including reserves). Staff recommends the Board re-authorize and commit funds for 48.4% of the project cost, up to $2,157,000, and that the bonded indebtedness be returned at 1% interest over 30 years with annual payments of approximately $87,000 (including reserves).

KAY RICHINS (Mayor) we appreciate your funding us and really hope you'll see the value of this project.

KYLE STEPHENS made the motion that the Board re-authorize and commit funds for 48.4% of the project cost, up to $2,157,000, and that the bonded indebtedness be returned at 1% interest over 30 years with annual payments of approximately $87,000 (including reserves). CHARLES HOLMGREN seconded the motion. All voted in favor and the motion passed.

WITHDRAWALS:

RE443	Sunrise & Bench Creek Irr. Co.	Wasatch	Russell Hadley
RL577	St. George City	Washington	Russell Hadley

Staff recommends the projects be withdrawn from further consideration by the Board. SPENCER JONES made the motion to withdraw RE443 & RL577 from further consideration by the Board. BLAINE IPSON seconded the motion.

NEW APPLICATIONS:

RE468	Liberty Pipeline Co	Weber	Anny Baynard
RE469	Grantsville Irrigation Co.	Tooele	Russell Hadley
RE470	Eden Water Works Co.	Weber	Tom Cox

SECONDARY METER GRANT ADDITIONAL FUNDS:
Proposed Prioritization - Marisa Egbert

In the 2021 Legislative session, $50,000,000 from the American Rescue Plan Act (ARPA) funds were allocated to the Board of Water Resources (Board) to provide grants to secondary water suppliers to install meters. In addition, the Board was directed to adopt rules for these funds and adopted R653-10. Section R653-10-3(2) indicates that "(a) A secondary water supplier with 7,000 secondary water connections or fewer may receive no more than $5,000,000 in grant funds. (b) A secondary water supplier with more than 7,000 secondary water connections may receive no more than $10,000,000 in grant funds."
In the 2022 Legislative session, legislation was passed that requires pressurized secondary water suppliers to meter all secondary connections (see Utah Code 73-10-34) and allocated an additional $200,000,000 in ARPA funds to provide grant funds to install secondary meters. The law included the same requirements for the maximum limit of the grant amounts and prioritization that the Board adopted in R653-10 and codified it for the additional funds. During a 3rd application period, Applicants that had previously received the maximum limit of the ARPA funds from the $200,000,000 allocation could apply again for additional grant funding.

Current Status
- Eight applications
- Total amount requested: about $67 million
- ARPA grant funds available: about $41 million

The code requires the Division to review and prioritize applications based on the following criteria: 60% weight for water conserved divided by total state investment, 20% weight based on need because of potential water shortages, and 20% weight based on accelerated project schedule (start and completion dates). We are working with information provided by applicants

in their applications; we verified information and adjusted where necessary for each project. We asked in the February Board meeting if you want to fund just the top ranked requests, or do you want us to spread it out 1-8. You agreed that we should give everyone something, not just the full amount requested to the highest ranked.

There was discussion about how the scores were calculated, the total score for each Applicant and how the highest score will get the highest amount.

PUBLIC COMMENT:

RICK SMITH (General Manager-Davis and Weber Counties Canal company) First of all, I want to thank the staff for all the effort they've been putting in. It's quite a task for all of us to try to accomplish what's been mandated. And we're one of those entities that are probably running faster than we can keep up. And so, going back to the requirements of prioritization, those three items, I hate to say it, but they are all unknowns. Do you consider the cost per connection? Obviously it's going to vary. We have several that are six-inch connections. We have thousands of one-inch connections so that variable is huge. Every entity is going to be different because if you have a hundred meters versus 10,000 meters, potentially that cost per unit is going to be very different. So again, we're trying to compare apples to apples, which I think you're going to have every type of fruit out there to compare against each other. That's why the numbers are so skewed. I can compare numbers with someone in the same city and we're going to be completely different because of our assumptions, the numbers that we're working with the different contractors' suppliers, and the list goes on. Same with the acre-feet per connection. One person could be watering 200% too much. So, we've got to have a huge savings on one person, and someone else will just get a fraction or zero. So again, we all made our best guess assuming certain things. And even ours we had a 30% assumption and that is what we put in there because we don't know. Because we have put meters on homes but we didn't know what they used before. So again, how do you even figure out what that baseline is and how much you saved? These are very difficult assumptions and questions, same as water shortage. The other thing, costs are going up. I think there's a supply and demand problem. We still have customers today that have not received water yet because we're still trying to get the meters in. We have the meter pits in but we're still finishing the meters. So again, some of that was because we were ahead of the game. I know one question was, what if we don't get the full amount? Well, I've already gone to five cities this year and increased our user rates by 20%, because we don't know what the future holds and paying for these future meter installations without grants. Lastly, I don't think we have a choice, it's a mandate. We are actively pushing to get these meters in with its own growing pains and people emailing Speaker Wilson and others complaining about this process, but we are doing our best. So, again, thank you for your funding. We appreciate it. And I can say we've already spent $2 million in roughly six months. At that pace, we are already considering potentially having two contractors this next time instead of just one contractor in a year, which again, physically for us to keep up with limited staff is difficult. We are now bidding for next October.

DEAN LUNDELL (Lehi City) I appreciate the Board's time. And to give you an update on our project, so far we're moving ahead, we're spending, we're buying all the parts we can possibly find, because that was a little bit of a problem at first. Our contractor was keeping ahead of pace, but we couldn't supply them with parts fast enough. We've got to the point where we're buying a lot of things. We now have rented two storage units that are like shipping container storage units. And even a semi-trailer to store these parts so we can keep ahead of the contractor. It's going very well. As far as the allocation method is concerned, it makes sense to me, and I think it is fair.

CHARLES HOLMGREN can we get the spreadsheet sent to all of us.

CANDICE HASENYAGER we will bring it back to the June meeting. It's very important that we get this right. We will send out the spreadsheet and give the Board a little time to look and have some extra time.

MARISA EGBERT we've been anxious to get this information out, so that they can do their planning and have an idea where they are with the grant money.

CHAIR JULIETTE TENNERT let's refrain from any action today. We can wait for the official meeting in June. Take a closer look at it and let the Division know if we see anything wrong with it. Within the next two weeks we could also do a virtual meeting, if we need to act sooner than what we're planning to help the applicants.

SECONDARY METER GRANT DEADLINE:

Accept or Reject Date of January 1, 2024 - Shalaine DeBernardi

The Board has authorized and committed over $200 million in ARPA grants for secondary meter projects. These funds must be contracted by December 31, 2024, and spent by December 31, 2026. Due to changes to the secondary meter requirements this year, some Applicants may not need the entire grant amount the Board has provided. The Board would like to use the allocated funds completely and has requested a deadline for Applicants to decide whether to use their grant.

Staff recommends the Board set a deadline of January 1, 2024, for Applicants to formally accept, reject, or request a modification to their existing grant.

CHARLES HOLMGREN made the motion that the Board set a deadline of January 1,2024 for Applicants to formally accept, reject, or request a modification to their existing grant. KYLE STEPHENS seconded the motion. All voted in favor and the motion passed.

CAPITAL ASSET MANAGEMENT PLAN RULES:
Shalaine DeBernardi

No action today

In 2022, the legislature passed House Bill 269, which creates new requirements for Capital Asset Management Plans. This law requires that wastewater service providers, retail water suppliers, and water conservancy districts with an annual operating budget of $5,000,000 or less create a Capital Asset Management Plan as a condition of receiving state or federal funding to be used for capital asset improvements. A capital asset is defined as a significant investment or an essential component necessary to provide water or wastewater service. The bill also directs the Water Quality Board, the Drinking Water Board, and the Board of Water
Resources to adopt rules for these plans for different entities. The Board of Water Resources is required to adopt rules for water conservancy districts with an annual operating budget of $5,000,000 or less.

The Attorney General's Office, along with Division staff, have created the draft rules attached. Staff asks the Board to review these rules and provide comments, questions, or concerns by June 1. Staff will ask the Board to adopt the final rules at its June meeting.

WATERSHED COUNCILS UPDATE:

TODD STONELY updated the Board and shared the Watershed Council Act.
Utah Watersheds Council (UWC) was formed in January 2021 and has met quarterly since then. Its purpose is to develop diverse and balanced stakeholder forums for discussion of water policy and resource issues at watershed and state levels. The council is to encourage discussion and collaboration, but has no regulatory authority.
A water attorney representative was added in 2022. Each watershed council will also have a representative on the statewide council.The next meeting is July 13 here in the DNR Auditorium
Local Watershed Councils are as follows:
Bear River Watershed Council (Given conditional certification by UWC in April)
Jordan River Watershed Council (Jordan River Commission given conditional certification to be the Council by UWC in April)
Weber River, Utah Lake, West Desert, and GSL Watershed Councils (To be formed later this spring and summer)
Sevier River and Uintah Basin Watershed Councils (To be formed later this year or early next year)
Efforts to convene all twelve watershed councils will be ongoing through 2024 and possibly 2025. More information is on our website.

DIRECTOR'S REPORT:

DIRECTOR CANDICE HASENYAGER The last time I was with you, I had to leave early to go catch a plane and try to get a passport to go to Israel. I went there to understand more on how Israel works their water situation. And how they've gone from being really water stressed and in a water crisis to being so water rich that they are now selling water to their neighbors. We did go as a Utah delegation. It included members from the Department of Agriculture and Food,

Department of Natural Resources, and the Colorado River Authority of Utah. We had some Water Conservancy districts, a Representative and a Senator from the Legislature. It was a great turnout, a variety of people. Also, academia was represented, as well as the media. It was a fascinating trip. I could spend a long time talking about the trip and all the things that we learned. The one main thing I want to share, I really learned about how Israel went from being water stressed to water rich. And one is the way they set up their water. They nationalize their water, the regulation of it and their pricing of water, which is super fascinating. Obviously some of those things aren't going to happen here. I don't think that we're going to nationalize our water anytime soon in the US. But their water pricing is interesting and something that I think we can all kind of consider. They also want and try to do the greatest good for everybody. Like they have a very altruistic kind of perspective on how to support everyone in the country. They all pay the same regardless of their location. They do pay a lot more for water. We estimated that per individual, they likely pay a hundred to $150 per month for their water and so it's quite a bit expensive. It should be noted that about 75% of their water supply right now comes from desalination. So that is a very expensive process. It does make sense that their water's priced higher. The other interesting thing is that they use every drop. They get most of their water from desalination and then about 70% of their treated reuse of treated effluent is reused on farms. I also learned about their culture and how they use every drop wisely. So that was very apparent. There are cultural themes, run strong and a lot of different ways. Not only just from how they use water, but also like their fitness. I walked on the promenade and there's outdoor gyms everywhere and everyone's running and doing things. The other element that I wanted to share with you is their innovation, and it kind of speaks to the fact that they have five desalinization plants, and more on their horizon, and their reuse capacity. We visited at least three different innovation centers. It was a fascinating trip and I have a slideshow that I'll send to you. I think there's a lot of opportunities to implement some of the things that we learned.

We had the **Bear River Commission Meeting** Charles and I attended on April 18th. The main agenda item was the adoption of the Commission's depletion estimates. Depletion Update was Completed. I want to thank the Division staff who worked on that, and they were praised at that meeting for their work.

- **Colorado River Update -** The Bureau of Reclamation released its long-awaited Draft Environmental Impact Statement (DSEIS) to modify the existing operational criteria (Interim Guidelines adopted in 2007) for the Colorado River after 2026, when the Guidelines expire. The deadline for public comment is the end of May. The document is about 500 pages long, and I'd be happy to send some more information if you'd like.

- **Landscape Incentive program** was launched May 1 through UtahWaterSavers.com following a press conference with the governor. Letters were sent to the areas DWRe is managing to notify them of ordinance requirements. Some letters have also been sent to cities in water district areas at the individual district's request.
- **Ag Water Optimization Task Force** will have their Final Meeting June 9th. The new Committee takes the lead July 1st.

- Gov. Spencer Cox has issued an executive order requiring water conservation at state facilities with the goal of increasing Utah's drought resiliency. I definitely supported this order because it seems that if we aren't currently in drought then we're preparing for drought.
- **Growing Water Smart Workshop** will be held in Logan on June 6-8. Logan
    - Participants include Salt Lake City, Cottonwood Heights, North Salt Lake, Clearfield, North Logan City, Cache County and Box Elder County
    - We hope to schedule a workshop in Washington county this fall
- Couple of **Great Salt Lake updates** - elevation in the South Arm is up to 4192.9' as of yesterday, and the salinity is down to 154 grams/liter. And while part of this is nature, there was also a modification to the berm that goes across the causeway. Our team at Water Resources worked on the design and oversaw construction of that project that raised the berm to 4192 feet. So now that the water is higher, we do expect the filling of the lake to slow down because now the runoff will be filling both arms of the lake and not just one. So a big shout out to the team that worked on that.

And in addition I just want to say thank you to all the Water Resources staff. They make my life and work easier, and I'm so grateful for all of them.

CHAIR JULIETTE TENNERT on behalf of the Board, I'd say a big ditto. And thanks everyone for attending today's Board meeting.

CHARLES HOLMGREN moved to adjourn the meeting. KYLE STEPHENS seconded the motion.

The Board meeting was adjourned at 3:33 PM.

JUNE 2023