

BOARD OF WATER RESOURCES

BOARD MEETING

PLAN



CONSERVE



DEVELOP



PROTECT



December 11, 2024



DIVISION OF WATER RESOURCES

1594 WEST NORTH TEMPLE, #310, SLC, UTAH 84114

2025 BOARD MEETING SCHEDULE

January 2025						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

February 2025						
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March 2025						
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23	24	25	26	27	28	29
30	31					

April 2025						
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27	28	29	30			

May 2025						
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25	26	27	28	29	30	31

June 2025						
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22	23	24	25	26	27	28
29	30					

July 2025						
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27	28	29	30	31		

August 2025						
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31						

September 2025						
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October 2025						
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November 2025						
S	M	T	W	T	F	S
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23	24	25	26	27	28	29
30						

December 2025						
S	M	T	W	T	F	S
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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

January 30 (Thurs) Salt Lake City

March 19 (Wed) St. George (after Utah Water Users Conference)

May 15 (Thurs) Salt Lake City

June 26 (Thurs) Salt Lake City

August 21 (Thurs) TBD

October 9 (Thurs) Salt Lake City

December 9 (Tues) Salt Lake City

AGENDA

Utah Board of Water Resources

Board Briefing Meeting

December 11, 2024

8:00 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

December 11, 2024 (Wednesday)

8:00 AM Briefing

10:00 AM Board Meeting

Department of Natural Resources Auditorium
1594 W. North Temple, Salt Lake City, UT 84114

Link to presentations and public comment form:

<https://water.utah.gov/comments/>

Livestream Links

Briefing Meeting: <https://youtube.com/live/iLea1wAFjjw>

Board Meeting: <https://youtube.com/live/p4C3G4ijfrs>

APPROVAL OF MINUTES

NRCS SNOW REPORT:

Spencer Donovan, Hydrologist

<u>Project #</u>	<u>Applicant</u>	<u>County</u>	<u>Project Manager</u>
FEASIBILITY REPORTS:			
RE490	Clinton City	Davis	Tom Cox
RE491	Draper Irrigation Company	Salt Lake	Ethan Stayner
COMMITTAL OF FUNDS:			
RL593	Heber City (Drinking Water)	Wasatch	Brad Caldwell
RM088	Glenwood Irrigation Company	Sevier	Brad Caldwell
RM116	Bountiful Irrigation District	Davis	Tom Cox
RM123	Benchland Water District	Davis	Brad Caldwell
SPECIAL ITEMS:			
RL594	Heber City (Pressurized Irrigation/Auth. & Commit)	Wasatch	Brad Caldwell
RE446	Provo River Water Users Association (Additional Funds)	Utah	Tom Cox
RE309/RE362	Moon Lake Water Users Association (Defer Payments)	Duchesne	Marisa Egbert
RE377/RE420/RE435	Bear River Canal Company (Defer Payments)	Cache	Ben Marett
WITHDRAWAL:			
RE365	Woodruff Irrigating Company	Rich	Marisa Egbert
NEW APPLICATION:			
RE492	Pine Valley Irrigation Company	Washington	TBD

FEMA GRANT INFORMATION:

Dam Safety Funding - Ben Marett

DIRECTOR'S REPORT:

Candice Hasenyager

ADJOURNMENT

BOARD OF WATER RESOURCES

REVOLVING CONSTRUCTION FUND - REGULAR PROJECTS

**Funding Status
December 11, 2024**

Funds Available for Projects This FY \$ 21,288,000

Projects Contracted This FY

1 Liberty Pipeline Company	RE468	\$ 1,000,000	07/26/24
2 West Cache Irrigation Company	RE480	<u>425,000</u>	10/10/24
Total Funds Contracted		\$ 1,425,000	
Funds Balance		\$ 19,863,000	

Projects with Funds Committed

1 King Irrigation Company	RE476	\$ 960,000	08/15/24
2 Peterson Pipeline Association	RE481	882,000	10/10/24
3 Sterling Irrigation Co	RE486	250,000	10/10/24
4 West Milburn Irrigation Company	RE442	<u>335,000</u>	10/08/20
Total Funds Committed		\$ 2,427,000	
Funds Balance		\$ 17,436,000	

Projects Authorized

1 Davis & Weber Counties Canal Company	RE472	\$ 999,000	12/05/23
* 2 Draper Irrigation Company	RE491	962,000	12/11/24
3 Hyrum Blacksmith Fork Irrigation Company	RE475	<u>228,000</u>	01/25/24
Total Funds Authorized		\$ 2,189,000	
Remaining Funds Available	(End of year balance if all listed projects were fully paid)	\$ 15,247,000	

* To be presented at Board Meeting

BOARD OF WATER RESOURCES

REVOLVING CONSTRUCTION FUND - DAM SAFETY

**Funding Status
December 11, 2024**

Funds Available for Projects This FY \$ 19,800,000

Projects Contracted This FY

1 Red Creek Irrigation Company	RC045	**Grant	\$ 600,000		01/25/24
2 Twin Creeks Special Service District (Jones)	RC067	**Grant	1,840,000		08/08/24
3 Twin Creeks Special Service District (Jones)	RC067	**Grant	<u>352,000</u>	(Add'l Amt.)	10/31/24
Total Funds Contracted					<u>\$ 2,792,000</u>
Funds Balance					\$ 17,008,000

Projects with Funds Committed

1 Consolidated Sevier Bridge Reservoir Company	RC023	**Grant	\$ 900,000	(Add'l Amt.)	01/25/24
2 Huntington-Cleveland Irrigation Company	RC069	**Grant	400,000		01/25/24
3 Twin Creeks Special Service District (Lindsay)	RC068	**Grant	488,000		08/15/24
4 Washington County Flood Contr. Auth. (Warner)	RC049	**Grant	212,000		03/22/17
5 Washington County Flood Contr. Auth. (Stucki)	RC050	**Grant	<u>88,400</u>		03/22/17
Total Funds Committed					<u>\$ 2,088,000</u>
Funds Balance					\$ 14,920,000

Projects Authorized

1 None			\$ -		
Total Funds Authorized					<u>\$ -</u>
Remaining Funds Available	(End of year balance if all listed projects were fully paid)				\$ 14,920,000

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

BOARD OF WATER RESOURCES

CITIES WATER LOAN FUND

**Funding Status
December 11, 2024**

<u>Funds Available for Projects This FY</u>	<u>\$ 20,186,000</u>
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Bonds Closed This FY

1 None	\$ -	
Total Bonds Closed	\$ -	
Funds Balance	\$ 20,186,000	

Projects with Funds Committed

*	1 Heber City	RL593	\$ 3,032,000	12/11/24
*	2 Heber City	RL594	<u>1,343,000</u>	12/11/24
	Total Funds Committed		\$ 4,375,000	
	Funds Balance		\$ 15,811,000	

Projects Authorized

1	Hurricane City	RL591	\$ 12,665,000	12/05/23
	Total Funds Authorized		\$ 12,665,000	
	Remaining Funds Available	(End of year balance if all listed projects were fully paid)	\$ 3,146,000	

* To be presented at Board Meeting

BOARD OF WATER RESOURCES

CONSERVATION & DEVELOPMENT FUND

**Funding Status
December 11, 2024**

Funds Available for Projects This FY \$ 251,189,000

Projects Contracted/Bonds Closed This FY

1 Centerville Deuel Creek Irrigation Company	RM056	**	\$ 2,199,000	11/08/24
2 City of South Salt Lake	RE458		8,500,000	07/30/24
3 Davis & Weber Counties Canal Company	RM115	**	1,869,000	09/19/24
4 Davis & Weber Counties Canal Company	RE474		2,380,000	11/18/24
5 Draper Irrigation Co (Phase 1)	RE450		3,655,000 (Add'l Amt.)	09/26/24
6 Hights Creek Irrigation Company	RM012	**	808,000 (Add'l Amt.)	09/18/24
7 Lehi City	RM074	**	3,643,000	08/21/24
8 Monroe City	RM092	**	<u>780,000</u>	08/07/24

Total Funds Contracted/Closed \$ 23,834,000
 Funds Balance \$ 227,355,000

Projects with Funds Committed

* 1 Benchland Water District	RM123	**	\$ 2,406,000	12/11/24
2 Bloomington Water Company	RM093	**	365,000	08/15/24
* 3 Bountiful Irrigation District	RM116	**	2,692,000	12/11/24
* 4 Glenwood Irrigation Company	RM088	**	280,000	12/11/24
5 Manti City Creek WUMA	RM034	**	956,000	10/05/23
6 Mountain View Irrigation Company	RM033	**	743,000	12/06/22
7 Newton Water Users Association	RM044	**	92,000	09/15/22
8 South Ogden Conservation District	RM113	**	1,389,000	10/05/23
9 Weber-Box Elder Conservation District	RM114	**	1,728,000	10/05/23
10 Wellsville-Mendon Conservancy District	RE478		1,393,000	10/10/24
11 West Panguitch Irrigation & Reservoir Company	RE489		<u>4,250,000</u>	10/10/24

Total Funds Committed \$ 16,294,000
 Funds Balance \$ 211,061,000

Projects Authorized

* 1 Clinton City	RE490		\$ 3,900,000	12/11/24
2 Davis & Weber Counties Canal Company	RE482		2,825,000	10/10/24
3 Davis & Weber Counties Canal Company	RE483		3,200,000	06/20/24
4 Draper Irrigation Co (Phases 2 & 3)	RE450		12,265,000	09/16/21
5 Grantsville Irrigation Company	RE469		1,496,000	06/29/23
* 6 Provo River Water Users Association	RE446		4,000,000 (Add'l Amt.)	12/11/24
7 Veyo Culinary Water Association	RE445		969,000	03/17/21
8 Weber-Box Elder Cons Dist	RE400		<u>1,687,000</u>	08/10/17

Total Funds Authorized \$ 30,342,000
 Funds Balance \$ 180,719,000

Secondary Meter Projects Authorized

1 Cottonwood Gooseberry Irrigation Company	RM095	**	\$ 840,000	03/22/23
2 Davis & Weber Counties Canal Company	RM121	**	1,190,000	09/12/24
3 Lehi City	RM117	**	1,690,000	09/12/24
4 Mt. Pleasant City	RM085	**	729,000	03/22/23
5 Newton Town Sprinkling Company	RM045	**	132,000	08/04/22
6 Paradise Irrigation & Reservoir Company	RM064	**	695,000	08/04/22
7 Richards Irrigation Company	RM051	**	145,000	08/04/22
8 South Davis Water District	RM022	**	<u>1,317,000</u>	08/04/22

Total Funds Authorized				<u>\$ 6,738,000</u>
Remaining Funds Available	(End of year balance if all listed projects were fully paid)			\$ 173,981,000

* To be presented at Board Meeting

** Secondary Meter Projects

BOARD OF WATER RESOURCES

SMALL SYSTEM SECONDARY METER GRANT FUNDS

Funding Status
December 11, 2024

Funds Available for Projects This FY \$ 1,461,522

Projects Contracted This FY

1 Centerville Deuel Creek Irrigation Company	RE464	\$ 1,034,000	08/06/24
2 Hights Creek Irrigation Company	RE484	<u>2,220,000</u>	08/30/24

Total Funds Contracted	\$ 3,254,000
Funds Balance	\$ (1,792,478)

Projects with Funds Committed

1 None	\$ <u>-</u>
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Total Funds Committed	\$ -
Funds Balance	\$ (1,792,478)

* To be presented at Board Meeting

BOARD OF WATER RESOURCES

ARPA SECONDARY METER GRANT FUNDS

**Funding Status
December 11, 2024**

Funds Available for Projects This FY \$ 47,158,000

Projects Contracted This FY

1	Benchland Water District	RM123	\$ 5,000,000	11/13/24
2	Bloomington Water Company	RM093	1,002,000	07/11/24
3	Cedar Hills City	RM119	1,060,000	11/12/24
4	Centerville Deuel Creek Irrigation Company	RM056	5,000,000	08/06/24
5	Coalville City	RM124	81,250	10/08/24
6	Cottonwood Gooseberry Irrigation Company	RM095	2,305,000	08/25/24
7	Davis & Weber Counties Canal Company	RM115	5,129,000	10/05/23
8	Davis & Weber Counties Canal Company	RM121	2,600,000	12/02/24
9	Hooper Irrigation Company	RM122	271,000	10/16/24
10	Johnson Park Pipeline Company	RM024	114,800	11/13/24
11	Layton City	RM118	2,284,100	12/02/24
12	Lehi City	RM117	3,692,000	11/13/24
13	Newton Town Sprinkling Company	RM045	360,000	12/03/24
14	Newton Water Users Association	RM044	252,000	11/04/24
15	Paradise Irrigation & Reservoir Company	RM064	105,350	09/26/24
16	South Ogden Conservation District	RM113	3,814,000	07/11/24
17	Weber Basin Water Conservancy District	RM111	7,277,000	07/08/24
18	Weber Basin Water Conservancy District	RM120	4,886,700	10/16/24
19	Weber-Box Elder Conservation District	RM114	<u>4,743,000</u>	07/01/24
Total Funds Contracted			\$ 49,977,000	
Funds Balance			\$ (2,819,000)	

Projects with Funds Committed

1	Hyrum City	RM008	(3,199,000)	(Reduce Amt)	06/20/24
2	Midway Irrigation Company	RM125	380,000		09/12/24
Total Funds Committed			\$ (2,819,000)		
Funds Balance			\$ -		

* To be presented at Board Meeting

BOARD OF WATER RESOURCES

ARPA WATER CONSERVATION PROJECT GRANT FUNDS

**Funding Status
December 11, 2024**

Funds Available for Projects This FY \$10,755,000

Projects Contracted This FY

1 Herriman City	RM126	\$ 1,585,000	11/04/24
2 Saratoga Springs	RM100	2,000,000	09/10/24
3 South Jordan City	RM127	1,585,000	11/13/24
4 Spanish Fork City	RM108	2,000,000	11/07/24
5 Springville City	RM109	2,000,000	08/28/24
6 Washington County Water Conservancy District	RM128	<u>1,585,000</u>	10/23/24

Total Funds Contracted \$ 10,755,000
Funds Balance \$0

Projects with Funds Committed

1 None		<u>-</u>	
Total Funds Committed		<u>\$ -</u>	
Funds Balance		\$ -	

* To be presented at Board Meeting

BOARD OF WATER RESOURCES

December 11, 2024

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 Grantsville City	RE485	C&D	3,265,000	3,840,000	04/19/24
7 Greendale Canal Company	RE487	C&D	1,775,000	6,175,000	05/23/24
8 Hooper Irrigation Co (Press Irr, Ph 3+)	RE060R3	C&D	11,033,000	12,980,000	01/25/02
9 Morgan City	RL589	CWL	2,552,000	6,004,200	08/19/22
10 North Creek Irr Co, of Mt. Pleasant, Inc.	RE488	C&D	1,989,000	6,177,000	05/23/24
* 11 Pine Valley Irrigation Company	RE492	C&D	2,244,000	2,640,000	09/26/24
12 Sanpete WCD (Narrows Dam)	RD377	C&D	29,325,000	34,500,000	04/07/83
13 Settlement Canyon Irrigation Co (Phase 2)	RE240	C&D	552,500	650,000	10/02/08
14 Wellsville-Mendon Conservation District	RE364	C&D	680,000	800,000	03/18/15
Subtotal			\$ 59,181,000	\$ 84,039,000	

* New Application

BOARD OF WATER RESOURCES
Feasibility Report



Applicant: **Clinton City**

Project Number: RE490
Fund: Conservation and Development Fund
Cost Estimate: \$4,588,000

Application Received: 9/12/2024
Board Meeting Date: 12/11/2024

Board Member: Kyle Stephens
Project Manager: Tom Cox

Project Summary: The purpose of the project is to replace a 70-year-old, 12-inch pipeline and a 40-year-old, 20-inch pipeline with approximately two miles of PVC pipelines. The project is being constructed in conjunction with a road-widening project (1800 North) overseen by UDOT.

Recommendation: Staff recommends the Board authorize 85% of the project cost, up to \$3,900,000, and that the bonded indebtedness be returned at 3.09% interest, over 15 years, with annual payments of approximately \$356,000 (including reserves).

Project Contacts:

Mayor:
Brandon Stanger
2267 North 1500 West
Clinton, UT 84015
801-614-0700

City Manager:
Trevor Cahoon
2267 North 1500 West
Clinton, UT 84015
801-614-0700

Engineer:
Bryce Wilcox
J-U-B Engineers
466 North 900 West
Kaysville, UT 84037
801-725-5002



Location

The proposed project is located in Clinton and Sunset cities in Davis County.

Introduction & Background

Clinton City provides drinking water to approximately 7,055 residential, commercial and industrial connections. Water is obtained from a well and from Weber Basin Water Conservancy District, stored in three tanks with a combined capacity of six million gallons and delivered through approximately 85 miles of pipeline ranging from six to 20 inches in diameter.

The Applicant received funding from the Board on two previous occasions for a drinking water tank and pipelines, both of which have been paid off.

Existing Conditions & Problems

UDOT is in the process of widening and making major improvements on 2000 West and 1800 North in Clinton, including placing concrete pavement, which impacts the existing infrastructure. Work was recently completed on a stretch of 2000 West, with Clinton paying \$3.4 million (double what was expected) of its own funds for its share of moving its pipeline out of the roadway. The focus now is on the stretch of 1800 North from the freeway to 2000 West, with additional stretches of 2000 West and 1800 North planned for construction in the future. These projects will also impact Clinton's pipelines.

Clinton has two transmission pipelines along 1800 North: a 70-year-old, 12-inch cast iron pipe and a 40-year-old, 20-inch ductile iron pipe, both of which are reaching the end of their useful life expectancies. If left in their current locations, they will be covered by concrete pavement during UDOT's road project.

Proposed Project

The Applicant is requesting financial assistance from the Board to replace 12-inch and 20-inch drinking water pipelines with approximately two miles of new pipeline, in conjunction with the UDOT project along 1800 North. The proposed pipeline will be installed in the park strip area, which will enable better accessibility for operation and maintenance.

UDOT will hire the contractor and oversee the work. It is anticipated that the project will be put out to bid in December and the Notice to Proceed given in March 2025. UDOT is paying for a portion of the project; however, only the Applicant's responsibilities are shown in the Cost Estimate and Cost Sharing sections below.

Benefits

Constructing the proposed project will allow the Applicant to continue to supply drinking water in the area and allow better access to the pipeline. Replacing the decades-old pipelines will avoid the cost of future repairs.



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	\$100,000	\$100,000
2	Existing Infrastructure Removal	1	LS	590,000	590,000
3	Pipe	1	LS	1,750,000	1,750,000
4	Valves	1	LS	320,000	320,000
5	Road/Canal Crossings	1	LS	400,000	400,000
6	Water Meter/Box Setters	1	LS	28,000	28,000
7	Water Services	1	LS	38,000	38,000
8	PRV	1	LS	150,000	150,000
9	Fire Hydrants	1	LS	140,000	140,000
Construction Cost					\$3,516,000
Contingency					377,000
Design & Construction Engineering					650,000
Legal and Administrative					45,000
TOTAL					\$4,588,000

Cost Sharing & Repayment

The recommended cost sharing and repayment are:

Agency	Cost Sharing	% of Total
Board of Water Resources	\$3,900,000	85%
Applicant	688,000	15
TOTAL	\$4,588,000	100%

Staff recommends the Board authorize 85% of the project cost, up to \$3,900,000, and that the bonded indebtedness be returned at 3.09% interest, over 15 years, with annual payments of approximately \$356,000 (including reserves).

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 Clinton could pay up to \$74.20 monthly for water. The cost of all water, based on 7,055 connections, is as follows:

Water Cost	Annual Cost	Cost/Conn/Mo
Average Water Bill	\$2,132,585	\$25.19
Average Secondary Water Bill	2,440,748	28.83
Property Tax for Water	335,254	3.96
Proposed Board of Water Resources Loan	356,000	4.20
TOTAL	\$5,264,587	\$62.18

While the affordability guideline indicates that the Clinton residents can afford higher water costs, the Board has a minimum term of 15 years. Additionally, the Applicant is planning to raise water rates about \$4 to \$5 per month to pay for the necessary improvements.

Water Rights & Supply

Clinton gets its water from a well and from Weber Basin Water Conservancy District. Water rights related to this project are 31-3978 and 31-5254.

Easements

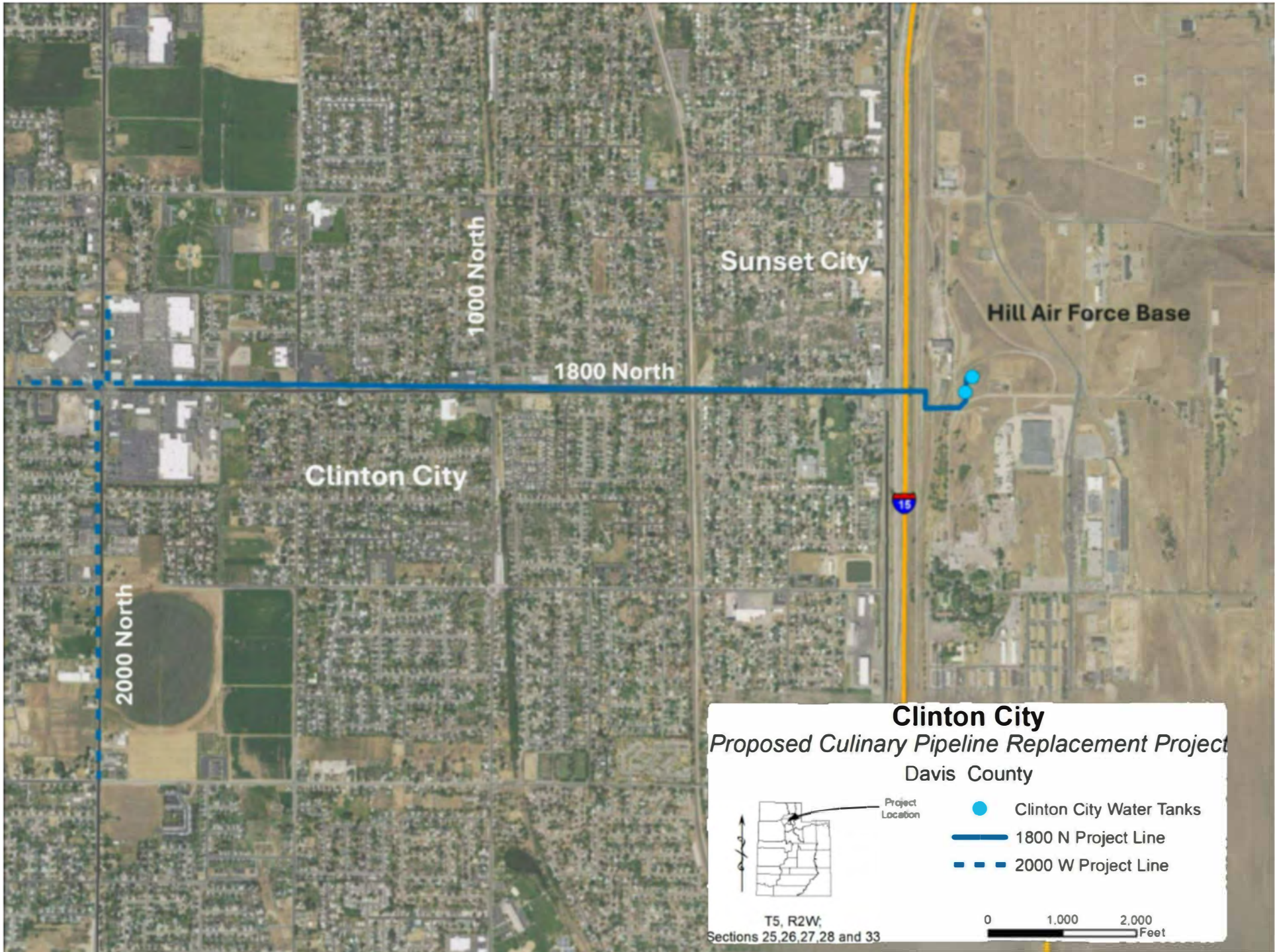
Although the pipeline alignment will change slightly, it will still be located in the public utility corridor. No new easements will be necessary.

Environmental

No long-term environmental impacts are foreseen due to the proposed project.

Applicant's Responsibilities

The Applicant will be required to make all arrangements to sell the Board a non-voted revenue bond, as well as verify it has adequate water rights and rights-of-way to construct the project. If the project is authorized, a full list of requirements and procedures necessary to close the bond will be furnished to the Applicant.



Applicant: **Draper Irrigation Company**

Project Number: RE491
Fund: Revolving Construction Fund
Cost Estimate: \$1,132,000

Application Received: 8/9/2024
Board Meeting Date: 12/11/2024

Board Member: Juliette Tennert
Project Manager: Ethan Stayner

Project Summary: The project includes the replacement of about 2,600 feet of an existing 10-inch cast iron drinking water mainline with 12-inch PVC pipe. The project will also include new fire hydrants, residential connections and a PRV station.

Recommendation: Staff recommends the Board authorize 85% of the project cost, up to \$962,000, and that the project be purchased at 0% interest over 25 years, with annual payments of approximately \$38,500.

Project Contacts:

General Manager:
Darrin Jensen-Peterson
12421 S. 800 E.
Draper, UT 84020
801-571-2232

Assistant General Manager:
Steve Cunningham
12421 S. 800 E.
Draper, UT 84020
801-571-2232

Engineer:
Jon Oldham
Bowen Collins & Associates
154 E. 14075 S.
Draper, UT 84020
801-495-2224



Location

The proposed project is located in Draper in Salt Lake County.

Introduction & Background

Draper Irrigation Company was founded in 1888 and started providing drinking water in 1911, with many upgrades occurring since. The system consists of a seven-million-gallon-per-day treatment plant, eight tanks, three pump stations, four wells, 183 miles of pipe, 8,355 drinking water connections, and 3,263 secondary connections.

The Board of Water Resources has previously funded seven projects for the Applicant. Five of the projects currently have been completed or are under construction. One is funded with an ARPA grant, and the other four are scheduled to be paid back between 2037 and 2049. The other two (1988 and 1993) have been repaid.

Existing Conditions & Problems

The existing pipeline in the project area was put into place in the 1950s. It is made of either cast iron or galvanized material. This current infrastructure is not ideal for water quality or the demand from current and future growth.

Proposed Project

The Applicant is requesting financial assistance for a project which includes replacing about 2,600 feet of the existing 10-inch drinking water mainline distribution pipe with a new 12-inch PVC pipeline. Five fire hydrants and 29 one-inch connections will also be replaced. At the east end of the project, a 10-inch pressure reducing valve (PRV) station will replace the existing 8-inch PRV station.

Benefits

The project is expected to improve the overall water quality, and the increased pipe size will ensure the supply meets projected growth demands. Additionally, Draper City has recently indicated its intent to reconstruct this section of road in 2025. The Applicant will have significant cost savings if they can coordinate this project with the City's road project.



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	12" PVC Waterline with Pavement	765	FT	\$292	\$223,500
2	12" PVC Waterline without Pavement	1,880	FT	217	408,000
3	10" PRV Vault	1	EA	150,000	150,000
4	Service Lines / Meter Boxes	29	EA	4,000	116,000
5	Fire Hydrants	5	EA	12,000	60,000
Construction Cost					\$957,500
Contingency					95,500
Design & Construction Engineering					65,000
Legal and Administrative					14,000
TOTAL					\$1,132,000

Cost Sharing & Repayment

The recommended cost sharing and repayment are:

Agency	Cost Sharing	% of Total
Board of Water Resources	\$962,000	85%
Applicant	170,000	15
TOTAL	\$1,132,000	100%

Staff recommends the Board authorize 85% of the project cost, up to \$962,000, and that the project be purchased at 0% interest over 25 years, with annual payments of approximately \$38,500.

Economic Feasibility

The pipeline is beyond its life expectancy and needs to be replaced. 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 afford to pay up to \$81.67 monthly for water. The average secondary water bill was estimated based on about 39% of the residential connections also being on the secondary system. The cost of all water, based on 8,355 drinking water connections, is shown in the following table:

Water Cost	Annual Cost	Cost/Conn /Month
Average Water Bill	\$6,797,628	\$67.80
Average Secondary Water Bill	1,448,772	14.45
Property Tax for Water	793,057	7.91
Proposed Board of Water Resources Loan	38,500	0.39
TOTAL	\$9,077,957	\$90.55

Based on the table, it is noted the Applicant is already above the affordability guideline. Due to this, staff recommends a repayment term of 25 years.

Water Rights & Supply

The Applicant owns numerous water rights from springs, creeks, the Jordan River, Utah Lake, and wells to supply its culinary and secondary irrigation systems.

There are 19 water rights associated with the project area that include over 9,500 acre-feet. The larger water rights related to this project are as follows:

Water Right Number	Volume (ac ft)
57-3410	801.46
57-8185	622
57-3411	3,877.08
57-10415	2,290.2

Easements

This project will be constructed within existing easements and rights-of-way.

Water Conservation

Though no amount of water conservation has been enumerated, the new infrastructure will improve energy efficiency of the system, water quality and preemptively conserve water by preventing inevitable, future water leaks from the existing pipeline.



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. Submit or update 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.
6. Obtain approval of final plans and specifications from the Division of Drinking Water.
7. Adopt a rule prohibiting its users from irrigating landscapes between the hours of 10:00 a.m. and 6:00 p.m.
8. Adopt a progressive water rate schedule.



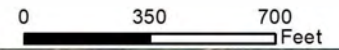
Draper Irrigation Company
Proposed Culinary Project
Salt Lake County



Project Location

-  New 10" PRV
-  New 12" PVC Culinary
-  Fire Hydrants
-  Existing Water Line

T4S, R1E; Section 5



Applicant: **Heber City Corporation**

Project Number: RL593
Fund: Cities Water Loan Fund
Total Cost: \$3,567,000

Application Received: 7/11/2024
Authorized: 8/15/2024
Board Meeting Date: 12/11/2024

Board Member: Michael Davis
Project Manager: Brad Caldwell

Project Summary: The purpose of the project is to replace approximately 12,500 feet of an 8-inch mainline and 5,100 feet of a 1-inch lateral on the drinking water system.

Recommendation: Staff recommends the Board commit 85% of the project cost, up to \$3,032,000, and that the bonded indebtedness be returned at 0% interest over 25 years, with annual payments of approximately \$127,000 (including reserves).

Project Contacts:

Mayor:
Heidi Franco
75 North Main Street
Heber City, UT 84032
435-657-7892

City Engineer:
Russell Funk
75 North Main Street
Heber City, UT 84032
435-657-7892

Engineer:
Derek Anderson
Sunrise Engineering
1180 North Mountain Springs Parkway
Springville, UT 84663
801-704-5220



Location

The proposed project is located in Heber City in Wasatch County.

Project Summary

The purpose of the project is to replace approximately 12,500 feet of an 8-inch mainline and 5,100 feet of a 1-inch lateral on the drinking water system.

Cost Estimate & Sharing

The cost estimate and sharing remain as authorized:

Agency	Authorized Cost Sharing	% of Total
Board of Water Resources	\$3,032,000	85%
Applicant	535,000	15
TOTAL	\$3,567,000	100%

Repayment

Staff recommends the Board commit 85% of the project cost, up to \$3,032,000, and that the bonded indebtedness be returned at 0% interest over 25 years, with annual payments of approximately \$127,000 (including reserves).

BOARD OF WATER RESOURCES
Committal of Funds



Applicant: **Glenwood Irrigation Company**

Project Number: RM088
Fund: Conservation and Development Fund
Total Cost: \$1,100,000

Application Received: 1/5/2023
Authorized: 3/22/2023
Board Meeting Date: 12/11/2024

Board Member: Blaine Ipson
Project Manager: Brad Caldwell

Project Summary: The purpose of the project is to purchase and install approximately 254 secondary water meters.

Recommendation: Staff recommends the Board commit 25.5% of the project cost, up to \$280,000, and that the project be purchased at 1% interest over 15 years, with annual payments of approximately \$20,200.

Project Contacts:

President:
Bert Mitchell
PO Box 300539
Glenwood, UT 84730
702-592-3139

Board Member:
Jared Dastrup
PO Box 300539
Glenwood, UT 84730
435-979-8467

Engineer:
Parker Vercimak
Jones & DeMille Engineering
1535 South 100 West
Richfield, UT 84701
307-677-0923



Location

The proposed project is located in Glenwood in Sevier County.

Project Summary

The purpose of the project is to purchase and install approximately 254 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	\$280,000	25.5%
Board of Water Resources – Grant	770,000	70.0
Applicant	50,000	4.5
TOTAL	\$1,100,000	100%

Repayment

Staff recommends the Board commit 25.5% of the project cost, up to \$280,000, and that the project be purchased at 1% interest over 15 years, with annual payments of approximately \$20,200.

Applicant: **Bountiful Irrigation District**

Project Number: RM116
Fund: Conservation and Development Fund
Total Cost: \$10,556,000

Application Received: 12/19/2022
Authorized: 12/5/2023
Board Meeting Date: 12/11/2024

Board Member: Kyle Stephens
Project Manager: Tom Cox

Project Summary: The purpose of the project is to purchase and install approximately 3,970 additional secondary meters.

Recommendation: Staff recommends the Board commit 25.5% of the project cost, up to \$2,692,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years, with annual payments of approximately \$209,000 (includes reserves).

Project Contacts:

President:
Kirk Gough
995 South 500 West
Bountiful, UT 84010
801-295-5573

Managing Supervisor:
Kurtis Anderson
995 South 500 West
Bountiful, UT 84010
801-390-1680

Engineer:
Greg Seegmiller
J-U-B Engineers
446 North 900 West
Kaysville, UT 84037
801-547-0393



Location

The proposed project is located in Bountiful, Centerville, West Bountiful and Woods Cross in Davis County.

Project Summary

The purpose of the project is to purchase and install approximately 3,970 additional secondary meters.

Cost Estimate & Sharing

The cost estimate and sharing remain as authorized:

Agency	Authorized Cost Sharing	% of Total
Board of Water Resources - Loan	\$2,692,000	25.5%
Board of Water Resources - Grant	7,389,000	70.0
Applicant	475,000	4.5
TOTAL	\$10,556,000	100%

Repayment

Staff recommends the Board commit 25.5% of the project cost, up to \$2,692,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years, with annual payments of approximately \$209,000 (includes reserves).

BOARD OF WATER RESOURCES
Committal of Funds



Applicant: **Benchland Water District**

Project Number: RM123
Fund: Conservation and Development Fund
Total Cost: \$7,830,000

Application Received: 7/19/2024
Authorized: 9/12/2024
Board Meeting Date: 12/11/2024

Board Member: Kyle Stephens
Project Manager: Brad Caldwell

Project Summary: The purpose of the project is to purchase and install approximately 2,500 secondary meters.

Recommendation: Staff recommends the Board commit 30.7% of the project cost, up to \$2,406,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years, with annual payments of approximately \$187,000 (including reserves).

Project Contacts:

President:
Paul White
485 E. Shepard Lane
Kaysville, UT 84037
801-451-2105

Chairman:
Scott Parsell
485 E. Shepard Lane
Kaysville, UT 84037
801-451-2105

Secretary:
Julie Dyreng
485 Shepard Lane
Kaysville, UT 84037
801-451-2105

Engineer:
Alea Nielson
JUB Engineering
392 E. Winchester St., Ste. 300
Salt Lake City, UT 84107
385-502-8718



Location

The proposed project is located in Kaysville in Davis County.

Project Summary

The purpose of the project is to purchase and install approximately 2,500 secondary meters.

Cost Estimate & Sharing

The cost estimate and sharing remain as authorized:

Agency	Authorized Cost Sharing	% of Total
Board of Water Resources – Loan	\$2,406,000	30.7%
Board of Water Resources - Grant	5,000,000	63.9
Applicant	424,000	5.4
TOTAL	\$7,830,000	100%

Repayment

Staff recommends the Board commit 30.7% of the project cost, up to \$2,406,000, as a loan, and that the bonded indebtedness be returned at 1% interest over 15 years, with annual payments of approximately \$187,000 (including reserves).

BOARD OF WATER RESOURCES
Special Item - Authorization & Committal of Funds



Applicant: **Heber City Corporation**

Project Number: RL594
Fund: Cities Water Loan Fund
Cost Estimate: \$1,580,000

Application Received: 9/26/2024
Board Meeting Date: 12/11/2024

Board Member: Michael Davis
Project Manager: Brad Caldwell

Project Summary: The purpose of the project is to install approximately 15,000 feet of 6-inch PVC pipe and 3,500 feet of a 1-inch lateral pipeline as part of the expansion of the secondary irrigation system.

Recommendation: Staff recommends the Board authorize and commit 85% of the project cost, up to \$1,343,000, and that the bonded indebtedness be returned at 0% interest over 25 years, with annual payments of approximately \$56,000 (including reserves).

Project Contacts:

Mayor:
Heidi Franco
75 North Main Street
Heber City, UT 84032
435-657-7892

City Engineer:
Russell Funk
75 North Main Street
Heber City, UT 84032
435-657-7892

Engineer:
Derek Anderson
Sunrise Engineering
1180 North Mountain Springs Parkway
Springville, UT 84663
801-704-5220



Location

The proposed project is located in Heber City in Wasatch County.

Introduction & Background

Heber City supplies drinking water to about 5,050 residential connections. It also has a pressurized secondary irrigation system with about 3,130 connections, of which about 3,000 are residential connections. Secondary water is supplied by Central Utah Water Conservancy District (CUWCD). The secondary system has an existing debt of about \$265,000, which is scheduled to be paid off in 2053.

The Applicant has an existing project with the Board, using ARPA grant funds, to purchase and install approximately 2,945 secondary meters. The Board recently authorized regular Board funds for upgrades to the drinking water system and is also considering the committal of those funds at this meeting.

Existing Conditions & Problems

In 2021, the Applicant initiated a significant infrastructure project. The purpose of the overall project is to upgrade the deteriorating water and sewer systems. Additionally, the pressurized secondary system will be expanded to a part of town that does not currently have access to it.

The overall project is over budget by about \$10.8 million, with the pressurized irrigation portion exceeding the budget by about \$1.6 million.

Proposed Project

The Applicant is requesting financial assistance for a project to install approximately 15,000 feet of 6-inch PVC pipe and 3,500 feet of one- and 1.5-inch service laterals as part of the expansion of the secondary irrigation system. Construction began in fall 2024 and is anticipated to be completed by the end of 2025.

Technical assistance is being provided by Sunrise Engineering.

Benefits

Expanding the pressurized secondary system will reduce the use of drinking water for irrigation, thus protecting the drinking water supplies. The new connections will be metered. Metering secondary use separately from drinking water will make the residents more aware of their water use for outdoor irrigation. This will allow the Applicant to be more aware of high usage, and to better educate their customers regarding their outdoor irrigation use.



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	\$60,000	\$60,000
2	General Conditions (Dust/Traffic Control/Surface Improvements)	1	LS	152,000	152,000
3	6” PVC DR 18	14,750	LF	24	354,000
4	Piping Components (Valves/Fittings/Blowoffs)	1	LS	89,000	89,000
5	1” to 1.5” Service Lateral (3,500 LF)	1	LS	200,000	200,000
6	1” Connections (about 100)	1	LS	201,000	201,000
7	Aggregate Items (Sand/Irr. Bedding)	7,150	TN	20	143,000
8	Spoils Haul Off	10,000	CY	18	180,000
9	Irrigation Culvert Replacement	7	EA	7,714	54,000
Construction Cost					\$1,433,000
Design, Construction & Engineering					82,000
Legal and Administrative					65,000
TOTAL					\$1,580,000

* A contingency of 10-15% has been factored in the construction line items.

Cost Sharing & Repayment

The recommended cost sharing and repayment are:

Agency	Cost Sharing	% of Total
Board of Water Resources	\$1,343,000	85%
Applicant	237,000	15
TOTAL	\$1,580,000	100%

Staff recommends the Board authorize and commit 85% of the project cost, up to \$1,343,000, and that the bonded indebtedness be returned at 0% interest over 25 years, with annual payments of approximately \$56,000 (including reserves).

Economic Feasibility

The only alternative to this project is to not expand the secondary system and continue using drinking water supplies for outdoor irrigation in this part of the service area. Due to a desert climate, potential drought years, population growth, and the additional costs to treat the water to drinking water standards, the city has determined that expanding the secondary system is the best alternative. Therefore, it is assumed there is no project alternative and that the benefit/cost ratio is 1.0.



Financial Feasibility

Based on the Board’s water service affordability guidelines, the Applicant’s users could pay up to \$68.13 monthly for water. The following table indicates that the Applicant’s customers are already over the affordability guideline (based on 5,045 residential connections).

Water Cost	Annual Cost	Cost/Conn /Month
Average Drinking Water Bill	\$3,200,000	\$52.86
Average Secondary Water Bill	1,572,000	25.96
Property Tax for Water	720,000	11.89
Board of Water Resources Loan – Culinary (RL593)	127,000	2.10
Proposed Board of Water Resources Loan (RL594)	56,000	0.93
TOTAL	\$5,676,000	\$93.74

Water Rights & Supply

The secondary system is supplied by water from CUWCD sources, primarily from Jordanelle Reservoir.

Easements

The project will be constructed in the existing right-of-way. No additional easements are required for this project.

Environmental

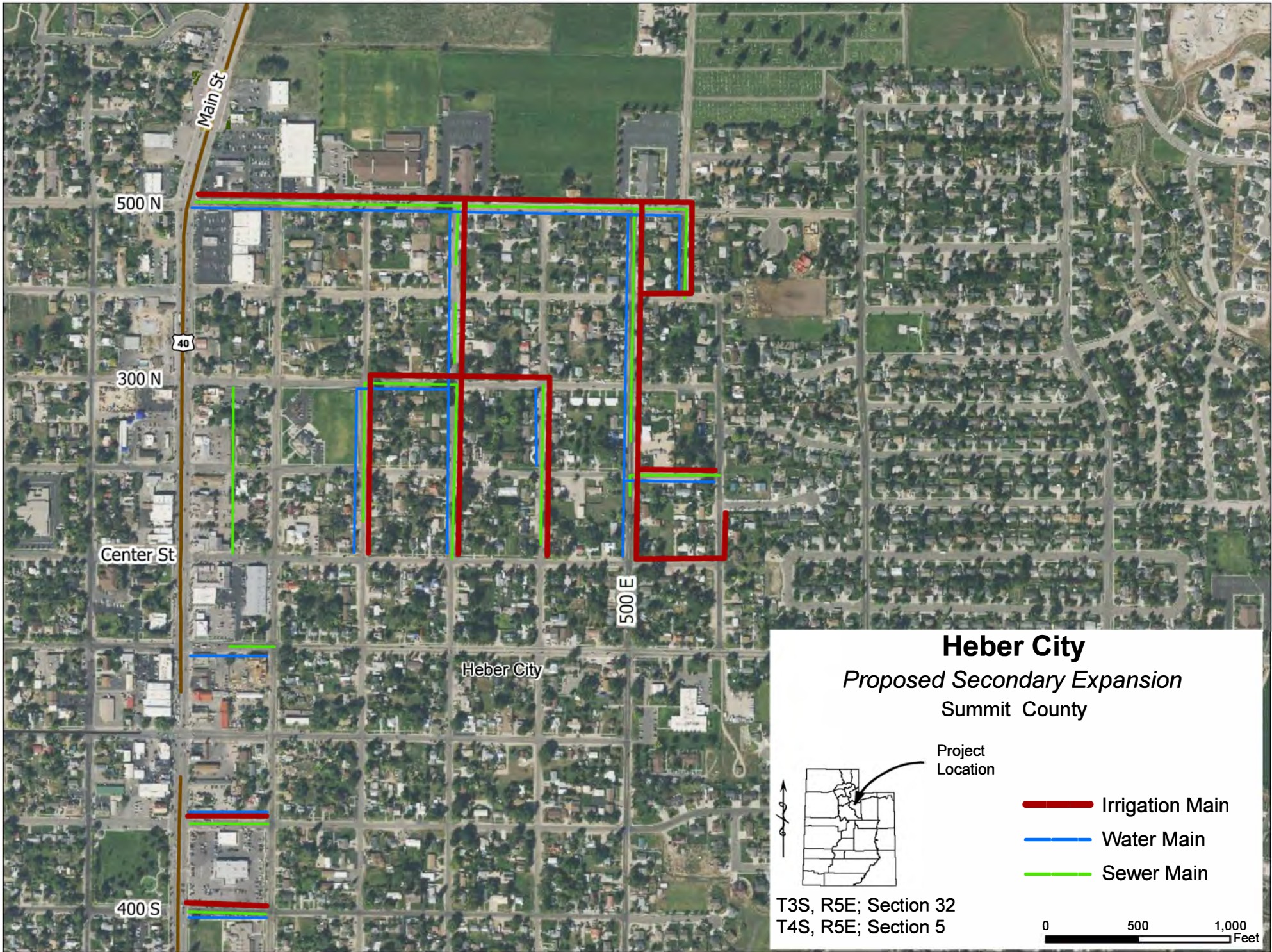
Since the project will be constructed within the city roads, no long-term environmental impacts are expected due to the project.

Water Conservation

Expansion of the secondary system in the area currently served only by drinking water will not necessarily conserve water. However, metering secondary use separately from the drinking water will make the residents more aware of their water use for outdoor irrigation. It will also allow the city to better educate their customers regarding their outdoor irrigation use.

Applicant’s Responsibilities

The Applicant will be required to make all arrangements to sell the Board a non-voted revenue bond, as well as verify it has adequate water rights and rights-of-way to construct the project. If the project is authorized and funds are committed, a full list of requirements and procedures necessary to close the bond will be furnished to the Applicant.



Applicant: **Provo River Water Users Association**

Project Number: RE446
Fund: Conservation and Development Fund
Total Cost: \$100,000,000

Application Received: 2/26/2021
Authorized: 6/17/2021
Re-Authorized: 5/5/2022
Committed: 6/16/2022

Board Meeting Date: 12/11/2024

Board Member: Michael Davis
Project Manager: Tom Cox

Project Summary: The purpose of the project is to modify the Deer Creek Dam intake structure and rehabilitate the existing guard gates without draining the reservoir. The project also includes constructing a permanent bypass intake and pipeline, as well as measures to address a potential quagga mussel infestation.

Recommendation: Staff recommends the Board authorize an additional 4% of the project cost, up to \$4,000,000, and that the bonded indebtedness be returned at 1% interest over 35 years, with annual payments of approximately \$141,000 (includes reserves).

Project Contacts:

President:
Tom Godfrey
285 West 1100 North
Pleasant Grove, UT 84062
801-484-7556

General Manager:
Jeffrey Budge
285 West 1100 North
Pleasant Grove, UT 84062
801-372-2867



Location

The proposed project is located about 10 miles southwest of Heber City in Wasatch County.

Project Summary

In June of 2022, the Board committed \$65 million towards a project to make improvements to Deer Creek Dam. The proposed project includes modifying the intake structure and rehabilitating the existing guard gates, installing a bypass intake structure and pipeline, as well as adding measures to address quagga mussels. Construction is underway and is expected to be completed in 2026.

When the Board authorized the project, the Applicant obtained a \$7 million market bond to cover its cost share, and \$17 million from Central Utah Water Conservancy District in accordance with its operation and maintenance agreement for the dam. However, there was a gap of \$11 million in funding. The Applicant approached the Utah State Legislature in two consecutive annual sessions, requesting \$11 million in grant funds, and was denied both times. More recently, they submitted an application for a \$4 million grant through the Division’s Water Infrastructure Project funds, but the Applicant was not awarded any of those funds.

The Applicant has secured loan funding from the Drinking Water Board and is now requesting that the Board of Water Resources provide an additional \$4 million in loan funds for the project.

Cost Estimate & Sharing

The project cost estimate has not changed. The committed and proposed cost sharing are as follows:

Agency	Committed Cost Sharing	% of Total	Proposed Cost Sharing	% of Total
BWRe - Bond 2	\$0	0%	\$4,000,000	4%
BWRe – Bond 1	65,000,000	65	65,000,000	65
Drinking Water Loan	0	0	7,000,000	7
Central Utah WCD	17,000,000	17	17,000,000	17
Applicant	7,000,000	7	7,000,000	7
Other Funding (Loan/Grant)	11,000,000	11	0	0
TOTAL	\$100,000,000	100%	\$100,000,000	100%

Repayment

The Board’s \$65 million bonded indebtedness (Bond 1) is being returned at 1% over 35 years, with annual payments of approximately \$1,100,000 to \$1,500,000 the first five years, and payments of approximately \$2,487,000 the remaining 30 years (includes reserves).

The Applicant is requesting an additional \$4 million from the Board, which will require a separate bond (Bond 2).

Staff recommends the Board authorize an additional 4% of the project cost, up to \$4,000,000, and that the bonded indebtedness be returned at 1% interest over 35 years, with annual payments of approximately \$141,000 (includes reserves).

Applicant: Moon Lake Water Users Association

Project Number: RE309 & RE362
Fund: Revolving Construction Fund
Total Board Cost: \$560,000 & \$403,000

Application Received: 2/9/2012 & 9/30/2014
Authorized: 6/7/2012 & 10/9/2014
Committed: 5/8/2014 & 8/11/2016
Board Meeting Date: 12/11/2024

Board Member: Randy Crozier
Project Manager: Marisa Egbert

Summary: The association received financial assistance from the Board to install about 6,100 feet of pipeline and an energy dissipation box (RE309) and to install approximately 5,100 feet of geomembrane liner (RE362). The Applicant is requesting deferred payments for two projects that have been completed.

Recommendation: Staff recommends the Board amend the Purchase Agreement for RE309 to defer the final payment for one year. The final payment will be due in 2025.

Staff also recommends the Board amend the Purchase Agreement for RE362 to defer all remaining payments for two years. Regular payments will resume in 2026.

Project Contacts:

President:
Kirk Christensen
263 East Lagoon Street
Roosevelt, UT 84066
435-823-5243

General Manager:
Dex Winterton
263 East Lagoon Street
Roosevelt, UT 84066
435-722-2002



Location

The projects are located 14 miles west and 20 miles northwest of Roosevelt in Duchesne County.

Project Summary

In 2014, the Board provided funds to install about 6,100 feet of pipeline and an energy dissipation box (RE309), and in 2016 to install approximately 5,100 feet of a geomembrane liner (RE362). The Applicant currently has another project under construction that is not being funded by the Board. The project includes repair work on the spillway of Moon Lake Dam. The original project cost was about \$300,000; after construction began, it was determined that the quantity of concrete for the wall repair was significantly underestimated. The updated project cost has increased by nearly \$200,000.

Rather than ask for additional funding, the Applicant is requesting a deferral of payments for their two projects, as described in the table, to be able to complete the project:

Project #	Project Description	Board Cost Share	Construction Completed	Annual Payment	Payments completed	# Years
RE309	Pipeline/Dissipation Structure	\$560,000	Jan 2016	\$56,000	Dec 2024	1
RE362	Geomembrane Installation	\$403,000	July 2017	\$26,900	Dec 2032	2

The request equals \$109,800 over the two years.

Modification of Terms

Staff recommends the Board amend the Purchase Agreement for RE309 to defer the final payment for one year. The final payment will be due in 2025.

Staff also recommends the Board amend the Purchase Agreement for RE362 to defer all remaining payments for two years. Regular payments will resume in 2026.

Applicant: **Bear River Canal Company**

Project Number: RE377, RE420 & RE435
Fund: Revolving Construction Fund
Total Board Cost: \$1,059,000, \$1,497,000 & \$112,000

Application Received: 12/23/2015, 11/20/2018 & 2/5/2020
Authorized: 2/11/2016, 1/31/2019 & 3/18/2020
Committed: 12/1/2016, 5/14/2020 & 3/18/2020
Board Meeting Date: 12/11/2024

Board Member: Charles Holmgren
Project Manager: Ben Marett

Summary: The company received financial assistance from the Board for three projects: to install about 2,200 feet of concrete liner and pipe (RE377), to install about 13,000 feet of an EPDM liner (RE420), and to pipe about 2,000 feet of a canal and install a telemetry station (RE435). The Applicant is requesting deferred payments for three projects that have been completed.

Recommendation: Staff recommends the Board amend the Purchase Agreements for RE377, RE420, and RE435 to defer all remaining payments for one year. Regular payments will resume in 2025.

Project Contacts:

President:
Jeff Hardy
275 N. 1600 E.
Tremonton, UT 84337
435-230-1042

Secretary:
Bob Roche
275 N. 1600 E.
Tremonton, UT 84337
435-452-1446

General Manager:
Trevor Nielson
275 N. 1600 E.
Tremonton, UT 84337
435-535-1761



Location

The projects are located near the communities of Honeyville and Deweyville in Box Elder County.

Project Summary

The Board provided funding in 2016 to install about 2,200 feet of concrete liner and pipeline (RE377), in 2019 to install about 13,000 feet of an EPDM liner (RE420), and in 2020 to pipe about 2,000 feet of a canal and install a telemetry station (RE435).

The Applicant recently completed construction on a large project without funding assistance from the Board. The project began in 2021 and included lining of canals, installing pipelines, telemetry stations, and automation stations throughout their system.

Originally, the project was expected to be constructed during the winter months. However, in 2023, the winter season made it very difficult to complete the construction and continued through the fall of 2023 and spring of 2024. Due to the delays, and subsequent compressed construction schedule, costs increased due to overtime and inflation. Additionally, rather than being able to retrofit existing structures to install the automated stations, the existing structures had to be replaced which also increased costs. All these factors have depleted the company’s cash reserves, and assessments are not due until March of 2025. Therefore, the Applicant is requesting that payments for the Board funded projects be deferred as shown in the table:

Project #	Project Description	Board Cost Share	Construction Completed	Annual Payment	Payments completed	# Years
RE377	Canal - Concrete Liner/Pipe	\$900,000	August 2017	\$60,000	Dec 2032	1
RE420	Canal - Concrete & EPDM Liner	\$799,000	March 2019	\$53,300	Dec 2035	1
RE435	Pipe Canal/Install Telemetry	\$85,000	Dec 2020	\$5,700	Dec 2035	1

The request equals \$119,000.

Modification of Terms

Staff recommends the Board amend the Purchase Agreements for RE377, RE420, and RE435 to defer all remaining payments for one year. Regular payments will resume in 2025.

BOARD OF WATER RESOURCES
Special Item - Withdrawal Report



Applicant: **Woodruff Irrigating Company**

Project Number: RE365
Fund: Conservation and Development Fund
Cost Estimate: \$4,750,000
Board Funding: \$3,200,000

Application Received: 01/05/15
Authorized: 03/18/15
Board Meeting Date: 12/11/24

Project Manager: Marisa Egbert

Project Contact:

Director:
Wallace Schulthess
98 S. Main Street, Suite 2
PO Box 142
Woodruff, UT 84086
435-881-2313

Location

The proposed project is located in and around Woodruff in Rich County.

Summary

In March 2015, the Applicant requested financial assistance from the Board replace about 20 miles of canals with 11 miles of pipeline in the lower system. The leadership of the company has changed since the project was authorized, and the current leadership does not want to pursue the project.

Staff therefore recommends the project be withdrawn from further consideration by the Board.

BOARD OF WATER RESOURCES

Application Summary



Applicant: **Pine Valley Irrigation Company**

Project Number: RE492
Fund: Conservation and Development Fund
Cost Estimate: \$2,640,000

Application Received: 9/26/2024
Board Meeting Date: 12/11/2024

Board Member: Spencer Jones
Project Manager: TBD

Project Contacts:

President:
Lee Snow
1286 West 4320 North
St George, UT 84770
435-680-2286

Secretary:
Britt Beckstrom
1286 West 4320 North
St George, UT 84770
435-862-9021

Engineer:
Todd Gardner
Alpha Engineering
43 South 100 East, Suite 100
St. George, UT 84770
435-628-6500

Location

The proposed project is located in Pine Valley in Washington County.

Proposed Project

The Applicant is requesting financial assistance from the Board to drill a well, replace 370 meters, and construct a pump house and a 350,000-gallon tank.

Construction Start Date

April 2025

Water Rights

- 81-383
- 81-970
- 81-2243
- 81-2244
- 81-2245
- 81-3606

An Update on High Hazard Potential Dams (HHPD) in Utah and the High Hazard Potential Dams Grant awarded through FEMA's National Dam Safety Program

HHPD's – General Background Information

- Minimum standards were adopted in the early 1990's
- Approximately 227 HHPD's in Utah
 - List growing due to development
- Over 100 do not meet minimum state safety standards

State Minimum Standards for HHPD's

- Seismic Stability
- Spillway Capacity
- Outlet Capacity/Guard Gate
- Slope Stability
- Piping

Projects to Date

- Approximately 70 projects funded to date
- Six projects under construction or nearing completion
- Approximately \$175 million in state grant funds distributed

State Dam Safety Grant Funds

- Ongoing appropriation averaging \$3.5 million per year since 1992
- One-time appropriations
 - \$11 million – FY2016
 - \$8.425 million – FY18
 - \$18 million – FY22
 - \$25 million – FY24

HHPD Grant

- HHPD Grant is awarded for the rehabilitation of HHPD's
 - Awarded through FEMA's National Dam Safety Program
 - Goal is to reduce risk due to HHPD's
- DWRe applied for the HHPD Grant in FY22 and FY24 (No offering in FY23)
 - FY22 award of \$261,000
 - FY24 award of \$7,263,000
 - We expect to procure an additional \$1 million in the upcoming grant cycle
- Scope of Work packages have been submitted for 20 projects!

Presented by Ben Maret, PE – Engineer | Project Manager

Unapproved

BOARD OF WATER RESOURCES

BRIEFING MEETING

MINUTES

October 10 , 2024

Utah Department of Natural Resources

UTAH BOARD OF WATER RESOURCES

BOARD BRIEFING MEETING

October 10, 2024

8:30 AM

BOARD MEMBERS

Chair Juliette Tennert

Dana Van Horn

Spencer Jones

Blaine Ipson

Mike Davis

Charles Holmgren

Kyle Stephens

BOARD MEMBERS (Excused)

Randy Crozier

Brian Steed

STAFF PRESENT

Director Candice Hasenyager

Deputy Director Joel Williams

Assistant Director Shalaine DeBernardi

Marisa Egbert

Russell Hadley

Tom Cox

Brad Caldwell

Anny Baynard

Ethan Stayner

Shannon Clough

Sarah Shechter (Attorney General)

OTHERS

AV Team Paul Gedge & Seth Magers

WELCOME

CHAIR JULIETTE TENNERT called the meeting to order at 8:33 AM and thanked staff and others involved in the educational, interesting tour of Great Salt Lake the day before. She then announced Board members excused, and all Board members present introduced themselves.

CANDICE HASENYAGER introduced staff present.

APPROVAL OF MINUTES: Will be approved in the Board Meeting.

Project# Applicant County Project Manager

FEASIBILITY REPORTS:

RE482 Davis and Weber Counties Canal Company Davis Ann Baynard

KYLE STEPHENS mentioned UDOT construction that is influencing this project, along with the Clinton project to be presented later. ANNY BAYNARD summarized the project report. TOM COX explained why they want to move the pipeline away from the middle of the road.

COMMITTAL OF FUNDS:

RE478 Wellsville-Mendon Conservancy District Cache Tom Cox

TOM COX summarized the project report. The amount to be provided by the Board has not changed, though the cost estimate and cost share percentage has been reduced. Also, after Zions Bank modified the benefit evaluation, the repayment terms have changed.

RE481 Peterson Pipeline Association Morgan Brad Caldwell

BRAD CALDWELL summarized the project report. The Board will not be funding the well that is already under construction.

SPECIAL ITEMS:

RC067 Twin Creeks Special Service District (Jones Dam) Wasatch Ethan Stayner

ETHAN STAYNER summarized the project report.

RE486 Sterling Irrigation Company (Auth/COF) Sanpete Russell Hadley

BLAINE IPSON reminded the Board about information presented at the last meeting, and thanked staff for getting the report ready for this meeting. RUSSELL HADLEY summarized the project report.

RE489 West Panguitch Irrigation Co. (Auth/COF) Garfield Tom Cox

SPENCER JONES discussed the age of the dam and the cracking that made the news earlier in the year. TOM COX summarized the report, highlighting that even though we're recommending committing funds there is a lot to be done before a funding agreement will be signed. In addition, it has been proposed that the new elevation be the same as the old one, but we'll make sure that existing water rights are protected. Finally, it's anticipated that the state legislature will provide the funding for this project, and the Board's funding is expected to be just a short-term loan to allow construction to begin this winter.

NEW APPLICATIONS:

RE487 Greendale Canal Company Daggett

RE490 Clinton City (1800 North/UDOT) Davis Tom Cox

There will be a cloud seeding report, and the 2025 Proposed Board meeting schedule will be adopted during the Board meeting.

INFORMATION TO THE BOARD:

STATUS OF FUNDS:

SHALAIN DEBERNARDI presented the Status of Funds. TOM COX provided additional information regarding some dam safety projects that have been committed and not actually been upgraded yet. The Board also discussed the money transferred from the WIRA to the C&D Fund, and that it should be tracked separately in future Status of Funds reports.

ATTORNEY GENERAL SARAH SHECHTER updated the Board about the ongoing Great Salt Lake and Water Horse Litigations.

CANDICE HASENYAGER updated the Board regarding HB280. The Water Development Coordinating Council has been actively working on a draft of an existing fund study required by HB280. It has to be completed by the end of this month. That study included looking at what existing funds could be consolidated into a Water Infrastructure Fund, and how it might affect existing board processes. HB280 has given us the opportunity for the Water Development Coordinating Council to create a status of funds document for all the Boards.

ADJOURNMENT:

MIKE DAVIS made the motion to adjourn. The meeting adjourned at 9:53 AM.

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://www.youtube.com/channel/UckFow-HXdLSkBytTtg6fjfw>

Unapproved

BOARD OF WATER RESOURCES

MEETING MINUTES

October 10, 2024

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SUMMARY OF BOARD ACTIONS

OCTOBER 10, 2024

1. **APPROVAL OF MINUTES:** CHARLES HOLMGREN moved to approve the meeting minutes from both August 15, 2024, and September 12, 2024. MIKE DAVIS seconded the motion. All voted in favor and the motion passed.
2. **RE482 Davis and Weber Counties Canal Company** KYLE STEPHENS moved the Board authorize 85% of the project cost, up to \$2,825,000, and that the project be purchased at 3.17% interest over 15 years, with annual payments of approximately \$239,600. SPENCER JONES seconded the motion. All voted in favor and the motion passed.
3. **RE478 Wellsville-Mendon Conservancy District** CHARLES HOLMGREN moved the Board commit 28.7% of the project cost, up to \$1,393,000, and that the bonded indebtedness be returned at 1.38% interest over 27 years with annual payments of approximately \$65,000 (including reserves). DAN VAN HORN seconded the motion. All voted in favor and the motion passed.
4. **RE481 Peterson Pipeline Association** KYLE STEPHENS moved the Board commit 85% of the project cost, up to \$882,000, and that the project be purchased at 0% interest over 25 years, with annual payments of approximately \$35,300. MIKE DAVIS seconded the motion. All voted in favor and the motion passed.
5. **RC067 Twin Creeks Special Service Dist. (Jones Dam)** MIKE DAVIS moved the Board commit an additional \$352,000 in dam safety grant funds, and that the contract be amended to state the Board will provide 80% of the project cost, up to \$2,192,000, as a dam safety grant. DANA VAN HORN seconded the motion. All voted in favor and the motion passed.
6. **RE486 Sterling Irrigation Company** BLAINE IPSON moved the Board authorize and commit 21.9% of the project cost, up to \$250,000, and that the project be purchased at 0% interest over 25 years, with annual payments of approximately \$10,000. SPENCER JONES seconded the motion. All voted in favor and the motion passed.
7. **RE489 West Panguitch Irrigation & Res. Co.** SPENCER JONES moved the Board authorize and commit 85% of the project cost, up to \$4,250,000, and that the project be purchased at 1% interest over 30 years, with annual payments of approximately \$164,700. BLAINE IPSON seconded the motion, and expressed support for the project with the caveat that the capacity cannot increase. All voted in favor and the motion passed.

Utah Board of Water Resources
Board Meeting
October 10, 2024
10:30 AM
George S. and Dolores Doré Eccles Wildlife Education Center
1157 S. Waterfowl Way, Farmington, UT 84025

CHAIR JULIETTE TENNERT called the meeting to order at 10:32 AM and introduced herself. Board members present and online did the same.

CANDICE HASENYAGER introduced the staff and those online.

APPROVAL OF MINUTES:

CHARLES HOLMGREN moved to approve the meeting minutes from both August 15, 2024 and September 12, 2024. MIKE DAVIS seconded the motion. All voted in favor and the motion passed.

<u>Project #</u>	<u>Applicant</u>	<u>County</u>	<u>Project Manager</u>
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FEASIBILITY REPORTS:

RE482	Davis and Weber Counties Canal Company	Davis	Ann Baynard
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ANN BAYNARD presented the report. Board members and RICK SMITH discussed UDOT's responsibilities and contributions for their impact on water projects such as this one.

KYLE STEPHENS moved the Board authorize 85% of the project cost, up to \$2,825,000, and that the project be purchased at 3.17% interest over 15 years, with annual payments of approximately \$239,600. SPENCER JONES seconded the motion. All voted in favor and the motion passed.

COMMITTAL OF FUNDS:

RE478	Wellsville-Mendon Conservancy District	Cache	Tom Cox
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TOM COX presented the report, highlighting the updated cost estimate, additional grant funds, and updated economic evaluation by Zions Bank. There was also discussion about what might happen if land served by this water project was changed to municipal.

CHARLES HOLMGREN moved the Board commit 28.7% of the project cost, up to \$1,393,000, and that the bonded indebtedness be returned at 1.38% interest over 27 years with annual payments of approximately \$65,000 (including reserves). DAN VAN HORN seconded the motion. All voted in favor and the motion passed.

RE481 Peterson Pipeline Association **Morgan** **Brad Caldwell**

BRAD CALDWELL presented the report.

KYLE STEPHENS moved the Board commit 85% of the project cost, up to \$882,000, and that the project be purchased at 0% interest over 25 years, with annual payments of approximately \$35,300. MIKE DAVIS seconded the motion. All voted in favor and the motion passed.

SPECIAL ITEMS:

RC067 Twin Creeks Special Service Dist. (Jones Dam) **Wasatch** **Ethan Stayner**

ETHAN STAYNER presented the report.

MIKE DAVIS moved the Board commit an additional \$352,000 in dam safety grant funds, and that the contract be amended to state the Board will provide 80% of the project cost, up to \$2,192,000, as a dam safety grant. DANA VAN HORN seconded the motion. All voted in favor and the motion passed.

RE486 Sterling Irrigation Company (Auth/Com) **Sanpete** **Russell Hadley**

RUSSELL HADLEY presented the report.

BLAINE IPSON moved the Board authorize and commit 21.9% of the project cost, up to \$250,000, and that the project be purchased at 0% interest over 25 years, with annual payments of approximately \$10,000. SPENCER JONES seconded the motion. All voted in favor and the motion passed.

RE489 West Panguitch Irrigation & Res. Co. (Auth/Com) **Garfield** **Tom Cox**

TOM COX presented the report.

SPENCER JONES moved the Board authorize and commit 85% of the project cost, up to \$4,250,000, and that the project be purchased at 1% interest over 30 years, with annual payments of approximately \$164,700. BLAINE IPSON seconded the motion, and expressed support for the project with the caveat that the capacity cannot increase. All voted in favor and the motion passed.

NEW APPLICATIONS:

RE487 Greendale Canal Company **Daggett**

RE490 Clinton City (1800 North/UDOT) **Davis** **Tom Cox**

Cloud Seeding Operations in Utah - Update

JONATHAN JENNINGS presented a cloud seeding update to the Board. With the expansion of the program and funds provided by the legislature, no Board funds are needed for cloud seeding at this time.

2025 BOARD MEETING SCHEDULE

SPENCER JONES made the motion to adopt the 2025 Board meeting schedule as published. DANA VAN HORN seconded the motion. All voted in favor and the motion passed.

DIRECTOR'S REPORT:

CANDICE HASENYAGER provided the following information to the Board.

Marty Bushman, our Attorney General for 5 years and who has worked at the AG's office for 33 years, is retiring and his last day is Friday. We are grateful for all his work over the last 5 years. Next week is Interim Week at the legislature, and we'll be presenting a couple things. The Water Infrastructure Funding Study looked at property taxes and will be presented to the Legislative Water Development Commission next Thursday. The Water Development Coordinating Council, which I chair, will also present the status of funds of all the Boards. HB280 is keeping us busy. On October 1st, we had the Status of Funds Report due and we provided that to the Legislature and the Governor's Office. On October 31st, we will publish the Integration of the Integration of Existing Funds Study. I will provide a draft to you all next week. We are also working on relevant agency plans, a fee study, a Unified Water Infrastructure Plan, ranking and prioritization of the projects, and finally updating a new State Water Plan. We will continue to be very busy over the next few years.

We are also working on hiring an engineer for our Water Optimization Section and a State Water Plan Manager.

Regarding our conservation efforts related to our landscape incentives, about 70 cities and counties are now eligible for state incentives because they adopted water efficiency standards. Heidi King from our office has been teaching Localscapes classes and recently taught the first one in Brigham City. In 2024, over 1.6 million square feet of grass was replaced with the help of state funds. We hired two Water Conservation Technicians to help us with the landscape incentive program. We are working to get the final water conservation plans that are due on December 31st. We are participating in outreach events.

We have finished Phase 2 of the Utah Growing Water Smart Workshops. We conducted four multi-day, facilitated workshops, hosting 25 communities and four water districts. We are looking forward to and planning for Phase 3, and are presenting at the American Planning Association.

Watershed Councils continue to move forward. We have completed creating all the local Watershed Councils. The Great Salt Lake Watershed Council is being met right now through the Great Salt Lake Advisory Council.

Water for the General Plan bill appropriated \$500,000 for technical assistance and we are working on getting those grants out. This will help cities include a water preservation element as part of their general plans that are due by 2025.

We recently found out we were awarded a grant from the Bureau of Reclamation for snow forecasting. With this grant we will be doing an Airborne Snow Observatory project in the Weber Basin in conjunction with Weber Basin Water Conservancy District and the Office of the Great Salt Lake Commissioner.

CHARLES HOLMGREN mentioned that he, CANDICE and other staff attended a Bear River Commission Tour in September.

CHAIR JULIETTE TENNERT asked Candice regarding the legislative process and what is related to Water Resources.

CANDICE HASENYAGER gave an overview of the legislative process - there are two more interim sessions before the main 45-day session. The Division has submitted building blocks (for the next fiscal year) and the Department (Natural Resources) is prioritizing those and working with the Governor's and Lieutenant Governor's offices regarding the Department's budget.

CHAIR JULIETTE TENNERT said it is important to hear that we have a seat at the table regarding the legislature. Our next meeting will be the last one of the year, December 11th.

ADJOURNMENT

BLAINE IPSON moved to adjourn the meeting. MIKE DAVIS seconded and the meeting adjourned at 11:51 AM.