

# **BOARD OF WATER RESOURCES BOARD MEETING**

**OCTOBER 9, 2025**

**PLAN**

**CONSERVE**

**DEVELOP**

**PROTECT**



DIVISION OF WATER RESOURCES  
1594 West North Temple, #310  
Salt Lake City, Utah 84114



**WATER RESOURCES**

# 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						
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	

March 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					

April 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			

May 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

June 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					

July 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		

August 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						

September 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				

October 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	

November 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						

December 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			

**December 9 (Tues) Salt Lake City (Holiday Luncheon)**

# AGENDA

## UTAH BOARD OF WATER RESOURCES

### BOARD BRIEFING MEETING

OCTOBER 9, 2025

8:30 AM

#### I. WELCOME/CHAIR'S REPORT

\*Chair Mike Davis

#### II. OATH OF OFFICE - NEW BOARD MEMBER

DNR Deputy Director - Todd Adams

#### III. DISCUSSION OF BOARD AGENDA ITEMS

(See Board Meeting Agenda)

#### IV. INFORMATION TO THE BOARD

#### V. OTHER ITEMS TO DISCUSS

**Agenda**  
**Utah Board of Water Resources**  
**Board Meeting**

October 9, 2025

8:30 AM Briefing Meeting

10:30 AM Board Meeting

Jordan Valley Water Conservancy District  
Education Center at Conservation Garden Park  
8215 South 1300 West, West Jordan, UT 84088

Link to presentations and public comment form:

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

Livestream Links

Briefing Meeting: <https://youtube.com/live/VXJM45UrAn0>

Board Meeting: <https://youtube.com/live/V1Uo5UTYi7U>

**OATH OF OFFICE - NEW BOARD MEMBER**

Todd Adams, DNR Deputy Director

**APPROVAL OF MINUTES**

<b><u>Project #</u></b>	<b><u>Applicant</u></b>	<b><u>County</u></b>	<b><u>Project Manager</u></b>
-------------------------	-------------------------	----------------------	-------------------------------

**FEASIBILITY REPORTS:**

RE498	Veyo Irrigation Company	Washington	Russell Hadley
RE500	Smithfield Irrigation Company	Cache	Ann Baynard
RE501	Cache Highline Water Association	Cache	Brad Caldwell

**SPECIAL ITEMS:**

RD730	Mosby Irrigation Company (Deferred Payment)	Uintah	Tom Cox
-------	---------------------------------------------	--------	---------

**WITHDRAWAL:**

RM120	Weber Basin Water Conservancy District	Davis	Ann Baynard
-------	----------------------------------------	-------	-------------

**CLOUD SEEDING OPERATIONS IN UTAH UPDATE:**

Jonathan Jennings, Meteorologist

**2026 BOARD MEETING SCHEDULE**

**DIRECTOR'S REPORT:**

Candice Hasenyager

Closed Session as needed to discuss pending or reasonably imminent litigation, Utah Code Section 52-4-205(1)(c)

**ADJOURNMENT**

# BOARD OF WATER RESOURCES

## REVOLVING CONSTRUCTION FUND - REGULAR PROJECTS

### Funding Status October 9, 2025

Funds Available for Projects This FY \$ 15,655,000

#### Projects Contracted This FY

1 Peterson Pipeline Association	RE481	\$ 882,000	08/21/25
Total Funds Contracted		\$ 882,000	
Funds Balance		\$ 14,773,000	

#### Projects with Funds Committed

1 Co-op Farm Irrigation Company	RE495	\$ 348,000	08/21/25
2 Davis & Weber Counties Canal Company	RE472	999,000	08/21/25
3 Huntsville South Bench Canal Company	RE496	320,000	08/21/25
4 West Milburn Irrigation Company	RE442	335,000	10/08/20
Total Funds Committed		\$ 2,002,000	
Funds Balance		\$ 12,771,000	

#### Projects Authorized

* 1 Cache Highline Water Association	RE501	\$ 255,000	10/09/25
2 Dry Gulch Irrigation Company	RE493	492,000	03/19/25
3 Hyrum Blacksmith Fork Irrigation Company	RE475	228,000	01/25/24
* 4 Smithfield Irrigation Company	RE500	952,000	10/09/25
* 5 Veyo Irrigation Company	RE498	990,000	10/09/25
Total Funds Authorized		\$ 2,917,000	
Remaining Funds Available	(End of year balance if all listed projects were fully paid)	\$ 9,854,000	

\* To be presented at Board Meeting

# BOARD OF WATER RESOURCES

## REVOLVING CONSTRUCTION FUND - DAM SAFETY

### Funding Status October 9, 2025

Funds Available for Projects This FY \$ 18,548,000

#### Projects Contracted This FY

1 Payson City (Pete Winward Dam)	RC076	**Grant	\$ 250,000	08/26/25
2 Wasatch County (Lake Creek)	RC070	**Grant	150,000	07/21/25
3 Washington County Water Cons Dist (Ash Creek)	RC073	**Grant	<u>300,000</u>	08/14/25

Total Funds Contracted \$ 700,000

Funds Balance \$ 17,848,000

#### Projects with Funds Committed

1 Washington County Flood Contr. Auth. (Warner)	RC049	**Grant	\$ 212,000	03/22/17
2 Washington County Flood Contr. Auth. (Stucki)	RC050	**Grant	88,400	03/22/17
3 Washington County Water Cons Dist (Kolob)	RC070	**Grant	<u>500,000</u> (Add'l Amt.)	06/26/25

Total Funds Committed \$ 800,000

Funds Balance \$ 17,048,000

#### Projects Authorized

1 None \$ -

Total Funds Authorized \$ -

Remaining Funds Available (End of year balance if all listed projects were fully paid) \$ 17,048,000

\* To be presented at Board Meeting

\*\* Dam Safety Projects

# BOARD OF WATER RESOURCES

## CONSERVATION & DEVELOPMENT FUND

### Funding Status October 9, 2025

Funds Available for Projects This FY	\$ 111,109,000
--------------------------------------	----------------

#### Projects Contracted/Bonds Closed This FY

1 Davis & Weber Counties Canal Company	RM121	**	\$ 1,190,000	08/26/25
Total Funds Contracted/Closed			\$ 1,190,000	
Funds Balance			\$ 109,919,000	

#### Projects with Funds Committed

1 Hurricane City	RL591		\$ 1,282,000	(Add'l Amt.)	05/15/25
2 Mountain View Irrigation Company	RM033	**	743,000		12/06/22
3 Newton Water Users Association	RM044	**	92,000		09/15/22
4 West Panguitch Irrigation & Reservoir Company	RE489		4,250,000		10/10/24
Total Funds Committed			\$ 6,367,000		
Funds Balance			\$ 103,552,000		

#### Projects Authorized

1 Clinton City	RE490		\$ 3,900,000	12/11/24
2 Draper Irrigation Co (Phases 2 & 3)	RE450		12,265,000	09/16/21
3 Grantsville Irrigation Company	RE469		1,496,000	06/29/23
4 Lake Creek Irrigation Company	RE499		8,645,000	08/21/25
5 North Creek Irrigation Company, of Mt. Pleasant	RE488		1,732,000	03/19/25
6 Powder Mountain Water & Sewer Imp District	RE497		1,395,000	05/15/25
7 Veyo Culinary Water Association	RE445		969,000	03/17/21
8 Weber-Box Elder Conservation District	RE400		1,687,000	08/10/17
Total Funds Authorized			\$ 32,089,000	
Funds Balance			\$ 71,463,000	

#### Secondary Meter Projects Authorized

1 Cottonwood Gooseberry Irrigation Company	RM095	**	\$ 840,000	03/22/23
2 Lehi City	RM117	**	1,690,000	09/12/24
3 Mt. Pleasant City	RM085	**	729,000	03/22/23
4 Newton Town Sprinkling Company	RM045	**	132,000	08/04/22
5 Paradise Irrigation & Reservoir Company	RM064	**	695,000	08/04/22
6 Richards Irrigation Company	RM051	**	145,000	08/04/22
7 South Davis Water District	RM022	**	1,317,000	08/04/22
Total Funds Authorized			\$ 5,548,000	
Remaining Funds Available			\$ 65,915,000	

(End of year balance if all listed projects were fully paid)

\* To be presented at Board Meeting

\*\* Secondary Meter Projects

# BOARD OF WATER RESOURCES

## CONSERVATION & DEVELOPMENT FUND - CO RIVER REUSE FUNDS

### Funding Status October 9, 2025

Funds Available for Projects This FY	\$ 145,000,000
--------------------------------------	----------------

#### Projects Contracted This FY

1 None	\$ -
--------	------

Total Funds Contracted	\$ -
Funds Balance	\$ 145,000,000

#### Projects with Funds Committed

1 None	\$ -
--------	------

Total Funds Committed	\$ -
Funds Balance	\$ 145,000,000

#### Projects Authorized

1 Washington County Water Conservancy District	RE494	\$ 195,000,000	06/26/25
------------------------------------------------	-------	----------------	----------

Total Funds Authorized	\$ 195,000,000
Remaining Funds Available	(End of year balance if all listed projects were fully paid) \$ (50,000,000)

\* To be presented at Board Meeting



# BOARD OF WATER RESOURCES

## SMALL SYSTEM SECONDARY METER GRANT FUNDS

### Funding Status October 9, 2025

Funds Available for Projects This FY	\$ 208,000
--------------------------------------	------------

#### Projects Contracted This FY

1 None	\$ -
--------	------

Total Funds Contracted	\$ -
Funds Balance	\$ 208,000

#### Projects with Funds Committed

1 None	\$ -
--------	------

Total Funds Committed	\$ -
Funds Balance	\$ 208,000

\* To be presented at Board Meeting

## BOARD OF WATER RESOURCES

October 9, 2025

### 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 Sanpete WCD (Narrows Dam)	RD377	C&D	29,325,000	34,500,000	04/07/83
11 Settlement Canyon Irrigation Co (Phase 2)	RE240	C&D	552,500	650,000	10/02/08
12 Wellsville-Mendon Conservation District	RE364	C&D	680,000	800,000	03/18/15
Subtotal			\$ 54,948,000	\$ 75,222,000	

\* New Application

# BOARD OF WATER RESOURCES

## Feasibility Report



**Applicant:** **Veyo Irrigation Company**

**Project Number:** RE498  
**Fund:** Revolving Construction Fund  
**Cost Estimate:** \$2,150,000  
**Board Funding:** \$990,000

**Application Received:** 6/13/2025  
**Board Meeting Date:** 8/21/2025

**Board Member:** Spencer Jones  
**Project Manager:** Russell Hadley

**Project Summary:** The purpose of the project to is to convert the open canal system to a pressurized system by installing about two miles of HDPE pipeline, service connections, meters and a pump station.

**Recommendation:** Staff recommends the board authorize 46% of the project cost, up to \$990,000, and that the project be purchased at 0% interest over 25 years, with annual payments of approximately \$39,600.

### Project Contacts:

<b>President:</b> Stuart Bowler 335 W. Center St. Veyo, UT 84782 435-619-0269	<b>Treasurer:</b> Jay McAllister 151 N. Spanish Trail Dr. Veyo, UT 84782 435-628-3321	<b>Finance Director:</b> Will Jones 251 W. 1725 S. Washington, UT 84780 435-669-5021	<b>Engineer:</b> Todd Gardner Alpha Engineering 43 S. 100 E. Suite 100 St. George, UT 84770 435-628-6500
-------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------



## **Location**

The proposed project is located in and around Veyo, about 20 miles north of St. George in Washington County.

## **Introduction & Background**

The applicant provides water to about 40 shareholders (749 shares) through an open concrete-lined canal irrigating about 476 agricultural acres. About 40 acres are sprinkle-irrigated and the remaining 436 are flood-irrigated. Water is diverted from the Santa Clara River and stored in Baker Reservoir. The applicant received funding from the board in 1961 to line their canal with concrete. That project has been repaid.

## **Existing Conditions & Problems**

The applicant's canal system and on-farm flood-irrigation practices are inefficient, with an estimated 50% efficiency overall. It is estimated that more than 380 acre-feet of water is lost annually due to seepage, evaporation, and system inefficiencies.

## **Proposed Project**

The purpose of the project is to convert the gravity-fed open canal to a pressurized system by installing about two miles of HDPE pressurized pipeline, service connections, meters, and a pump station. On-farm sprinkle systems are expected to be installed with Natural Resources Conservation Service (NRCS) funds provided to individual shareholders.

A Water Optimization Grant from the Utah Department of Agriculture and Food (UDAF) has been awarded to the applicant. Construction bidding is planned for late-2025 or early-2026.

The applicant has already purchased the HDPE pipe for the project. The pipe is currently being stored safely on-site. The applicant is requesting the board allow the funding to cover the materials already purchased, once a purchase agreement is in place. No construction work has begun beyond the pipeline purchase and delivery.

Alpha Engineering is providing design and construction engineering services.

## **Benefits**

By enclosing the open canal and converting more than 400 acres to sprinkle-irrigation transit and on-farm efficiencies are expected to increase to about 90%. Piping the canal will also provide safety to the surrounding communities. Meters will allow for proper documentation of water use.



## Cost Estimate

The following cost estimate is based on the engineer's preliminary design and has been reviewed by staff. All line items include the cost of purchase and installation:

Item	Description	Quantity	Unit	Unit Price	Total
1	Mobilization	1	LS	\$80,000	\$80,000
2	24" HDPE Pipe	1,500	LF	105	157,500
3	14" HDPE Pipe	6,340	LF	65	412,000
4	12" HDPE Pipe	3,910	LF	50	195,500
5	10" HDPE Pipe	2,070	LF	40	83,000
6	12" Gate Valve	4	EA	7,500	30,000
7	10" Gate Valve	3	EA	5,400	16,000
8	8" Gate Valve	3	EA	4,100	12,000
9	1" Air/Vacuum Valve Assembly	5	EA	6,000	30,000
10	Pump & Filter Station	1	LS	560,000	560,000
11	Misc. Pipeline Appurtenances	1	LS	40,000	40,000
12	Service Connections & Meters	20	EA	4,000	80,000
13	Street Crossing Repair	5	EA	800	4,000
<b>Construction Cost</b>					<b>\$1,700,000</b>
Contingency					175,000
Design/Construction Engineering					255,000
Legal and Administrative					20,000
<b>TOTAL</b>					<b>\$2,150,000</b>

## Cost Sharing & Repayment

The recommended cost sharing and repayment are as follows:

Agency	Cost Sharing	% of Total	% of Non-Grant Total
Board of Water Resources	\$990,000	46.0%	82.5%
Water Optimization Grant (UDAF)	950,000	44.2	-
Applicant	210,000	9.8	17.5
<b>TOTAL</b>	<b>\$2,150,000</b>	<b>100%</b>	<b>100%</b>

Staff recommends the board authorize 46% of the project cost, up to \$990,000, and that the project be purchased at 0% interest over 25 years, with annual payments of approximately \$39,600.

## Financial Feasibility

A 2020 study by Utah State University found that the average alfalfa production in Washington County was 4.2 tons/acre (2017 data). The Applicant has indicated that their current crop yield is 1.0 ton/acre and are expecting that this will double with the project. They have also indicated that the yield for all of the crops should double. It is noted that Veyo is at a higher elevation than many of the other agricultural areas of the county.

The current annual assessments for the majority of the Applicant's shares are \$70/share for "Baker" shares (about 349 shares) and \$50/share for "Preferred" shares (about 110 shares). The current annual income for the company is around \$31,500/year. Additionally, the annual pumping, operation and maintenance costs are expected to increase by about \$10,000 after the project.

The recommended annual repayment for the Board's funding is approximately \$39,600. It should be noted that the applicant will not have a payment due until after the project is completed and they have a full irrigation season to use the project.

## Water Rights

The applicant owns the following water rights according to the Division of Water Rights website:

Water Right Number	Flow / Volume
81-2253	110 ac-ft
81-2254	0.8 cfs
81-2279	80.25 ac-ft
81-27	3.21 cfs

## Easements

The applicant has indicated that the pipelines and pump station will be placed within their existing rights-of-way and easements.

## Environmental

To receive the UDAF grant, the applicant is required to install real time metering and complete a cultural resource review through the State Historic Preservation Office (SHPO).

## Water Efficiency

The project will increase the system's efficiency by reducing water loss from evaporation and seepage within the current canal system. The applicant expects that the remaining acres that are currently flood-irrigated will be converted to sprinkle-irrigation. The increased efficiency is expected to be about 380 acre-feet/year. This increase will allow the applicant to preserve their storage longer to be used later in the season for additional crop yield.

The applicant does not have a current water conservation plan (WCP) on file with the Division. A WCP must be submitted, reviewed, and approved by the Division's Water Conservation Section and adopted by the water provider as indicated in Utah Code 73-10-32. The WCP must be submitted three weeks prior to the date of the board's committal of funds.

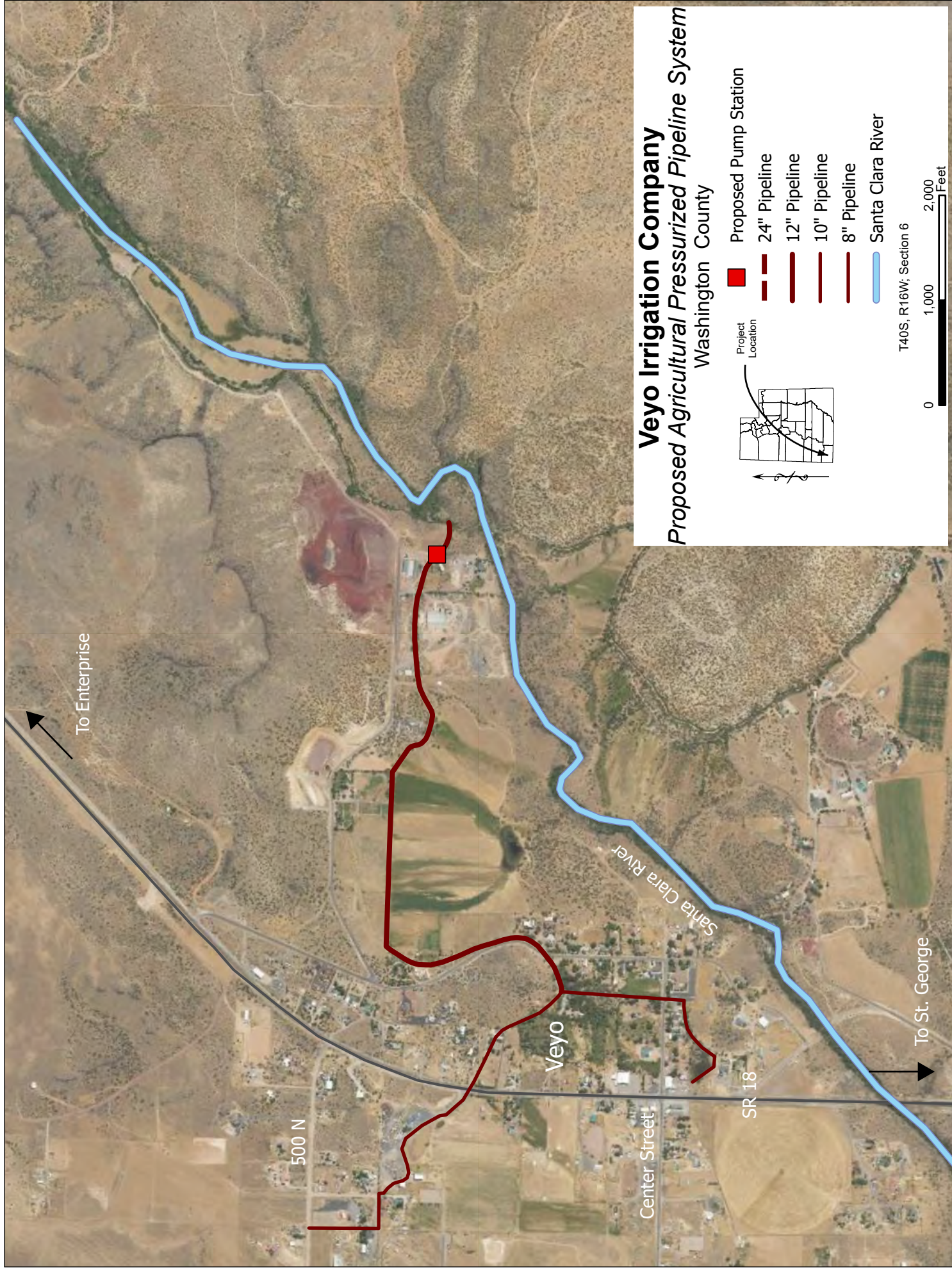
---

## **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 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 letters from all outside financing agencies establishing their commitment of funds to the project.



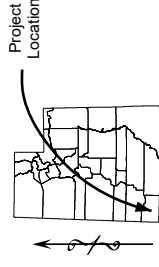


# Veyo Irrigation Company

## Proposed Agricultural Pressurized Pipeline System

Washington County

- Proposed Pump Station
- 24" Pipeline
- 12" Pipeline
- 10" Pipeline
- 8" Pipeline
- Santa Clara River



T40S, R16W, Section 6





# BOARD OF WATER RESOURCES

## Feasibility Report



**Applicant:** **Smithfield Irrigation Company**

**Project Number:** RE500  
**Fund:** Revolving Construction Fund  
**Cost Estimate:** \$3,100,000  
**Board Funding:** \$952,000

**Application Received:** 7/25/2025  
**Board Meeting Date:** 10/9/2025

**Board Member:** Dale Buxton  
**Project Manager:** Ann Baynard

**Project Summary:** The purpose of the project is to replace five deteriorating diversion structures and install about 3,500 feet of 12-inch PVC pipe and about 450 feet of 18-inch PVC pipe.

**Recommendation:** Staff recommends the board authorize 30.7% of the project cost, up to \$952,000, and that the project be purchased at 0% interest over 25 years with annual payments of approximately \$38,100.

### Project Contacts:

**President:**  
Pat Draper  
340 E. 200 N.  
Smithfield, UT 84335  
435-563-3161

**Secretary:**  
Luann Hansen  
52 E. 200 S.  
Smithfield, UT 84335  
435-563-3370

**Engineer:**  
Steve Wood, P.E.  
Sunrise Engineering  
2100 N. Main Street  
North Logan, UT 84341  
435-563-3734



## **Location**

The proposed project is located in and around Smithfield City in Cache County.

## **Introduction & Background**

Smithfield Irrigation Company was founded in 1915 with the merger of the Smithfield Irrigation District and the Brickyard System, both of which were founded in the 1880's. The applicant currently serves approximately 1,100 shareholders, delivering irrigation water to approximately 2,200 agricultural acres and secondary irrigation water to approximately 600 acres for lawns and gardens.

The applicant's water supply is diverted from Summit Creek, Birch Creek and the Logan River. The system also has six wells and a connection to Cache Highline Water Association (CHWA). The water is conveyed through a system of pressurized pipelines fed from open-surface water intakes and wells. There is no direct storage within the system.

The board previously funded three projects for the applicant including the installation of 70,000 feet of PVC pipe for a lawn and garden secondary system (completed in 1991), the installation of 57,000 feet of PVC pipe (completed in 1992), and a new sprinkle-irrigation system (completed in 1992). All three projects have been repaid.

## **Existing Conditions & Problems**

The applicant diverts water directly from Summit Creek and Birch Creek at several locations. The applicant also receives water from Cache Highline Water Association (CHWA) through a large diameter, above-ground metal pipeline owned by CHWA, referred to as the "Black Pipe".

The applicant's system frequently experiences large amounts of debris and sediment from these sources reducing conveyance efficiency and clogging shareholders' on-farm systems. Due to the potential clogging for shareholders, nozzles are often oversized to flush out the debris, which leads to overwatering.

Additionally, there are five diversion structures that are deteriorating and need to be replaced. The structures need new screens and improved irrigation control gates. Currently, part of the upper part of the system requires a booster pump station to provide pressurization for that area.

## **Proposed Project**

The proposed project includes the installation of a new pipeline which will begin at the upstream end of CHWA's Black Pipe. This 18-inch pipeline will follow the alignment of the Black Pipe, reducing the flow volume through CHWA's system. This will allow the upper part of the applicant's system to be pressurized without the need for the existing booster pump station. The 18-inch pipeline will then connect to a new 12-inch pipeline. The five diversion structures will be replaced and will include new screens and control gates. Sediment basins will also be constructed to reduce the debris entering the system. Additionally, a SCADA system will be installed.

The project is also being completed to comply with the requirements from the Division of Water Rights (WRi) regarding strategic metering in lieu of installing meters on every secondary connection as required by 73-10-34(2)(b). The applicant was approved based on meeting the eligibility requirements of 73-10-34(13). As outlined in the approval letter from WRi, if the applicant no longer meets the eligibility requirements of Subsection 13 in the future, the applicant is disqualified from metering at strategic points and must comply with the requirements of 73-10-34(2)(b).

The applicant has been awarded a WaterSMART grant from the Bureau of Reclamation (BOR) and a Water Optimization grant from the Utah Department of Agriculture and Food (UDAF). Construction will be in conjunction with CHWA 's project (RE501). Construction is scheduled to begin in October 2025. Engineering services are being provided by Sunrise Engineering.

## Benefits

The redesigned diversion structures will improve water quality and system conveyance efficiency. The improved water quality will allow the shareholders to use nozzles on the on-farm systems that are correctly sized, thus reducing water waste. The addition of the SCADA system will enable continuous monitoring and remote control. The new pipelines will reduce the need for the booster pump station, which will lower energy consumption. The pump station will remain part of the system for potential backup needs.

## Cost Estimate

The following cost estimates are based on the engineer's preliminary design:

**Table 1 – Pipeline Installation**

Item	Description	Quantity	Unit	Unit Price	Total
1	Mobilization	1	LS	\$89,000	\$89,000
2	Traffic Control	1	LS	7,000	7,000
3	Subsurface Investigation	25	HR	400	10,000
4	Construction Staking	1	LS	13,000	13,000
5	Tree Removal	45	EA	3,000	135,000
6	Clearing and Grubbing	1	LS	50,000	50,000
7	18" Pipe and Fittings	455	LF	180	82,000
8	12" Pipe and Fittings	3,550	LF	117	416,000
9	12" Gate Valve	2	EA	8,000	16,000
10	Air Vac	2	EA	6,000	12,000
11	Pipe Bedding	4,000	LF	17	68,000
12	Backfill	379	CY	29	11,000
13	Earthwork	4,420	LF	11	49,000
14	Utilities Coordination	1	LS	14,000	14,000
15	Landscaping/Bore/Pavement	700	LF	263	184,000
<b>Table 1 Construction Cost</b>					<b>\$1,156,000</b>

**Table 2 – Diversion Structure Replacement**

Item	Description	Quantity	Unit	Unit Price	Total
1	Mobilization	1	LS	\$75,000	\$75,000
2	Traffic Control	1	LS	6,000	6,000
3	Subsurface Investigation	25	HR	400	10,000
4	Construction Staking	1	LS	5,000	5,000
5	Earthen Material Excavation	400	CY	20	8,000
6	Sediment Basins	5	LS	68,000	340,000
7	Removal of Existing Structures	5	LS	11,000	55,000
8	Gates/Weirs/Screens/Grate	1	LS	297,000	297,000
9	Pipe and Fittings	800	LF	180	144,000
10	Pedestrian Bridge	1	EA	4,000	4,000
11	Expand Water Entrance Structure	1	LS	8,000	8,000
12	Booster Pump Pipe Re-routing	1	LS	26,000	26,000
13	Replace Wing Wall	1	LS	10,000	10,000
14	Water Meter & Vault	1	LS	10,000	10,000
15	SCADA System	1	LS	120,000	120,000
<b>Table 2 Construction Costs</b>					<b>\$1,118,000</b>
<b>Table 1 Construction Costs</b>					<b>\$1,156,000</b>
Contingency					325,000
Design & Construction Engineering					455,000
Legal and Administrative					20,000
Permits and Fees					26,000
<b>Total</b>					<b>\$3,100,000</b>

## Cost Sharing & Repayment

The recommended cost sharing and repayment are as follows:

Agency	Cost Sharing	% of Total	% of Non-Grant Funds
Board of Water Resources	\$952,000	30.7%	85.0%
BOR WaterSMART Grant	1,180,000	38.1	-
UDAF Grant	800,000	25.8	-
Applicant	168,000	5.4	15.0
<b>TOTAL</b>	<b>\$3,100,000</b>	<b>100%</b>	<b>100%</b>

Staff recommends the board authorize 30.7% of the project cost, up to \$952,000, and that the project be purchased at 0% interest over 25 years with annual payments of approximately \$38,100.



## Financial Feasibility

The project is not expected to have financial benefits from increased crop production. However, it is necessary for the applicant to upgrade and maintain the system for its shareholders. Pumping and operation and maintenance costs for the applicant are expected to decrease approximately \$10,000 with the project. Additionally, individual farmers may have reduced on-farm costs with the higher water quality supply.

## Water Rights & Supply

The applicant has several water rights as indicated on the website of the Division of Water Rights. The following water right was provided with the application for financial assistance as the right relevant to the project:

Water Right Number	Flow (cfs)
25-6109	33.5

## Easements

The applicant has indicated that existing easements will be used and that no additional easements are required.

## Environmental

The applicant will need to complete environmental requirements for the grants from both the Bureau of Reclamation and Utah Department of Agriculture and Food.

## Water Efficiency

The project will increase the system conveyance efficiency and allow individual farmers to use smaller nozzles on their systems which should reduce overwatering. The increased efficiency is expected to be equivalent to about 850 acre-feet/year and remain in the system.

Based on data submitted to WRi, the applicant has supplemented diversion supplies with six wells throughout the system. Between 2020 and 2024, annual volumes drawn from the wells were between 280 acre-feet and more than 2,000 acre-feet, with an increased volume drawn during years of lower diversion volumes. The average over that time is about 1,000 acre-feet annually. The increased efficiency of 850 acre-feet is expected to allow the applicant to reduce the need for the wells, thus reducing pumping costs and providing more reliability.

The applicant does not have a current water conservation plan (WCP) on file with the Division. A WCP must be submitted, reviewed, and approved by the Division's Water Conservation Section and adopted by the water provider as indicated in Utah Code 73-10-32. The WCP must be submitted three weeks prior to the date of the board's committal of funds.

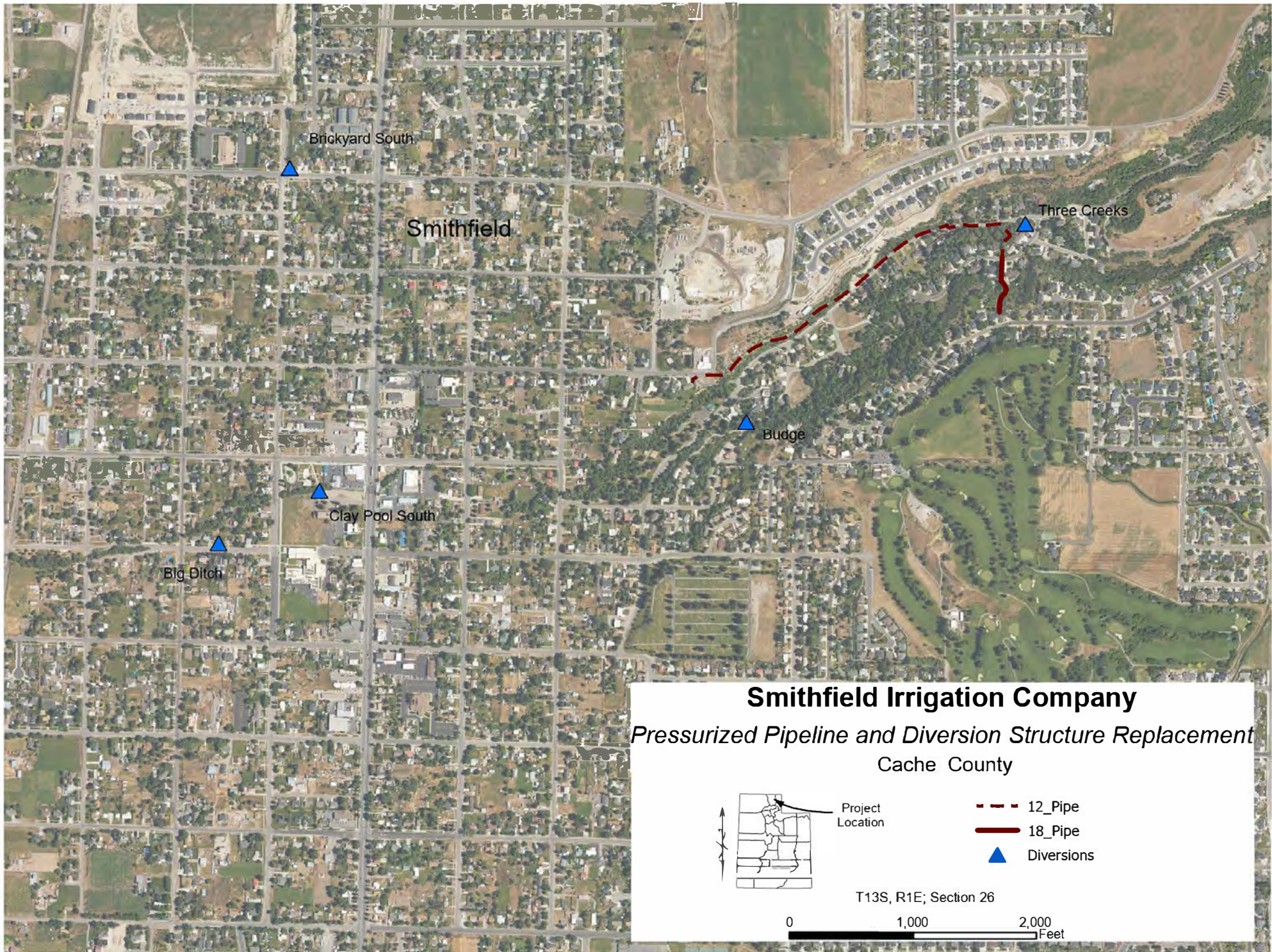
---

## **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. The plan must be submitted three weeks prior to the scheduled board meeting for Committal of Funds.
5. Obtain approval of final plans and specifications from the Division of Water Resources.
6. Obtain proof from all outside financing agencies establishing their commitment of funds to the project.







# BOARD OF WATER RESOURCES

## Feasibility Report



**Applicant:** Cache Highline Water Association

**Project Number:** RE501  
**Fund:** Revolving Construction Fund  
**Cost Estimate:** \$795,000  
**Board Funding:** \$255,000

**Application Received:** 7/25/2025  
**Board Meeting Date:** 10/9/2025

**Board Member:** Dale Buxton  
**Project Manager:** Brad Caldwell

**Project Summary:** The purpose of the project is to upgrade an existing 36-inch metal pipeline, install a traveling screen, sediment basin, and a SCADA system.

**Recommendation:** Staff recommends the board authorize 32.1% of the project cost, up to \$255,000, and that the project be purchased at 0% interest over 25 years with annual payments of approximately \$10,200.

### Project Contacts:

<b>President:</b> Jon Wells PO Box 100 Providence, UT 84332 435-799-5691	<b>Treasurer:</b> Lyle Thornley PO Box 100 Providence, UT 84332 435-757-2393	<b>Secretary:</b> Marianna Larsen PO Box 100 Providence, UT 84332 435-757-1215	<b>Engineer:</b> Steven Wood Sunrise Engineering 2100 N. Main Street North Logan, UT 84341 435-563-3734
--------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------





## **Location**

The proposed project is located in Smithfield City in Cache County.

## **Introduction & Background**

The Cache Highline Water Association was formed in 2009 through the merger of the Logan & Northern Canal Company and the Logan Smithfield Hyde Park Canal Company to streamline water distribution and infrastructure management in Cache County. The applicant currently serves about 1,250 shareholders, with about 7,300 shares, delivering irrigation water to approximately 4,300 acres of agricultural land and approximately 3,700 acres of residential land. The applicant primarily serves wholesale water to over 100 companies throughout Cache County. The applicant is in good standing with the Utah Department of Commerce.

The applicant's water supply is diverted from the Logan River and conveyed through a combination of lined and unlined canals, as well as pressurized and non-pressurized pipelines. The system does not include any water storage.

The board previously funded two projects for the applicant. The first project was completed in 2015 and combined the diversion works and canals of Logan & Northern Canal Company and the Logan Smithfield Hyde Park Canal Company into box culverts and HDPE pipe. The second project was completed in 2017 and replaced 4.2 miles of the Logan & Northern Canal with HDPE pipe. The existing annual debt is \$255,000 and is expected to be paid off in 2031.

## **Existing Conditions & Problems**

One major component of the applicant's system is the "Black Pipe," a large-diameter, above-ground metal pipeline. The Black Pipe serves water to about 410 shareholders, representing 2,400 shares and irrigating about 2,650 acres. It is failing and needs to be upgraded. The applicant has estimated that the Black Pipe was installed in the 1940's. It is located in a residential neighborhood on a steep hill, running between a few homes. The concrete foundations along the pipe have deteriorated significantly. Additionally, the trash screen at the inlet is not functioning properly and large debris can enter the pipe. Material such as trees, branches, and sediment accumulates within the canal, creating obstructions that reduce conveyance efficiency and increase flood risk.

Several years ago, large debris entered the pipe and was lodged inside, restricting flow and causing the water to back up into the canal and began to flood the area. At one point, the water force was enough to release the debris plug. However, a large amount of energy resulted, and the pipe jumped a few feet in the air, out of the concrete anchors. The reliability of the pipe and foundations has been reduced significantly, creating long-term concerns about structural integrity, flooding, water losses and operational safety.



## Proposed Project

The proposed project includes installing a “fold and form” pipe within the existing Black Pipe. Other major components include new concrete anchors, a traveling screen, sluice gates, box culvert, sediment basin, and baffled chutes. Construction is scheduled to begin in October 2025. Engineering services are being provided by Sunrise Engineering.

The applicant has been awarded a WaterSMART grant from the Bureau of Reclamation (BOR) and a Water Optimization grant from the Utah Department of Agriculture and Food (UDAF). Construction will be in conjunction with Smithfield Irrigation Company’s project (RE500). Construction is scheduled to begin in October 2025. Engineering services are being provided by Sunrise Engineering.

## Benefits

The project will provide structural integrity, reduce seepage and improve system conveyance efficiency. The installation of the traveling wire mesh screen, integrated with a SCADA system, will enable continuous monitoring and automated debris removal. This will prevent sediment and large debris from entering the pipeline, reducing blockages and maintaining steady flows.

## Cost Estimate

The following cost estimate is based on the engineer’s preliminary design and was provided by the applicant:

Item	Description	Quantity	Unit	Unit Price	Total
1	36" PVC Fold & Form Pipe	120	LF	\$400	\$48,000
2	Mobilization & General Conditions	1	LS	57,000	\$57,000
3	Screening Equipment (Sluice Gates, Traveling & Wire Screens)	1	LS	113,000	113,000
4	Conveyor Belt	1	LS	50,000	50,000
5	Box Culvert	1	LS	53,000	53,000
6	Sediment Basin	1	LS	126,000	126,000
7	Retaining Wall & Canal Realignment	1	LS	16,000	16,000
8	Baffled Chutes	1	LS	44,000	44,000
9	Concrete Anchor	8	EA	1,000	8,000
10	Easement/Fencing	1	LS	10,000	10,000
11	SCADA System	1	LS	47,000	47,000
12	Outlet Removal & Rip Rap	1	LS	12,000	12,000
<b>Construction Cost</b>					<b>\$584,000</b>
Contingency					80,000
Design & Construction Engineering					102,000
Legal and Administrative					13,000
Permits, Fees & Testing					16,000
<b>TOTAL</b>					<b>\$795,000</b>



## Cost Sharing & Repayment

The recommended cost sharing and repayment are:

Agency	Cost Sharing	% of Total	% of Non-Grant Funds
Board of Water Resources	\$255,000	32.1%	85.0%
BOR WaterSMART Grant	295,000	37.1	-
UDAF Grant	200,000	25.1	-
Applicant	45,000	5.7	15.0
<b>TOTAL</b>	<b>\$795,000</b>	<b>100%</b>	<b>100%</b>

Staff recommends the board authorize 32.1% of the project cost, up to \$255,000, and that the project be purchased at 0% interest over 25 years with annual payments of approximately \$10,200.

## Financial Feasibility

The applicant provides water to approximately 4,300 acres of agricultural land and 3,700 acres of residential land. The company has 7,297 shares, with each share representing four acre-feet of water and an assessment of \$55.00/share.

The project is necessary to address critical infrastructure failure. While there is some measurable water efficiency, the project is not expected to have financial benefits from increased crop production. However, annual operation and maintenance costs are expected to be reduced by approximately \$10,000.

## Water Rights & Supply

The following list of water rights related to the project was provided by the applicant:

Water Right Number	Flow (cfs)
25-6148	20.0
25-6147	27.2
25-6146	16.0
25-6145	53.0
25-3055	21.0

## Easements

The applicant has indicated that the project will be within existing easements, except for one additional easement that was recently acquired and is part of the cost estimate.

## Environmental

The applicant will need to complete environmental requirements for the grants from both the Bureau of Reclamation and Utah Department of Agriculture and Food.



## **Water Efficiency**

The project will improve system efficiency by reducing water losses from seepage and leakage. This increased efficiency is expected to be equivalent to about 85 acre-feet of water each year, which can then be utilized by users downstream of the Black Pipe and provide greater reliability to shareholders.

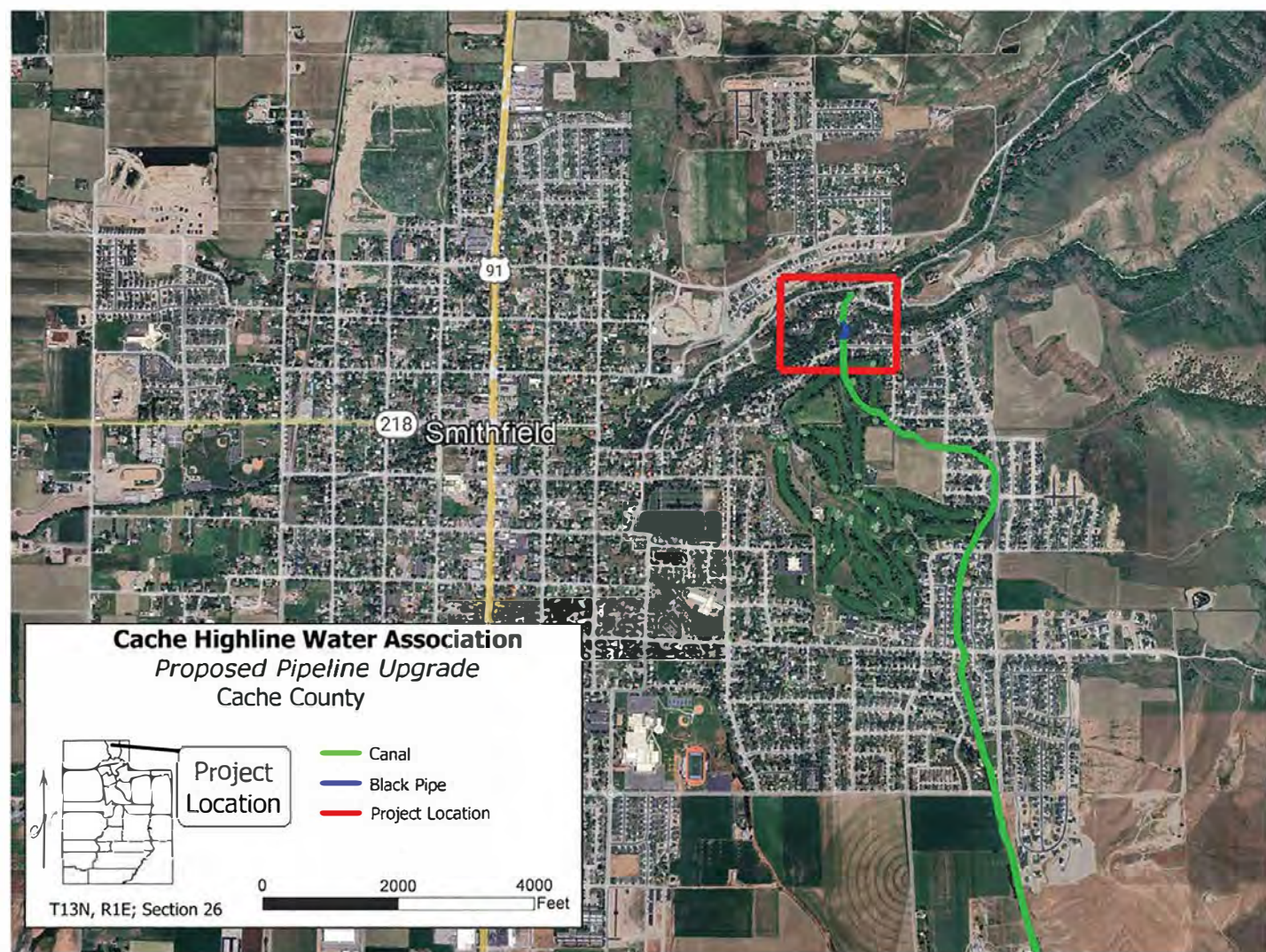
The applicant does not have a current water conservation plan (WCP) on file with the Division. A WCP must be submitted, reviewed, and approved by the Division's Water Conservation Section and adopted by the water provider as indicated in Utah Code 73-10-32. The WCP must be submitted three weeks prior to the date of the board's committal of funds.

## **Applicant's Responsibilities**

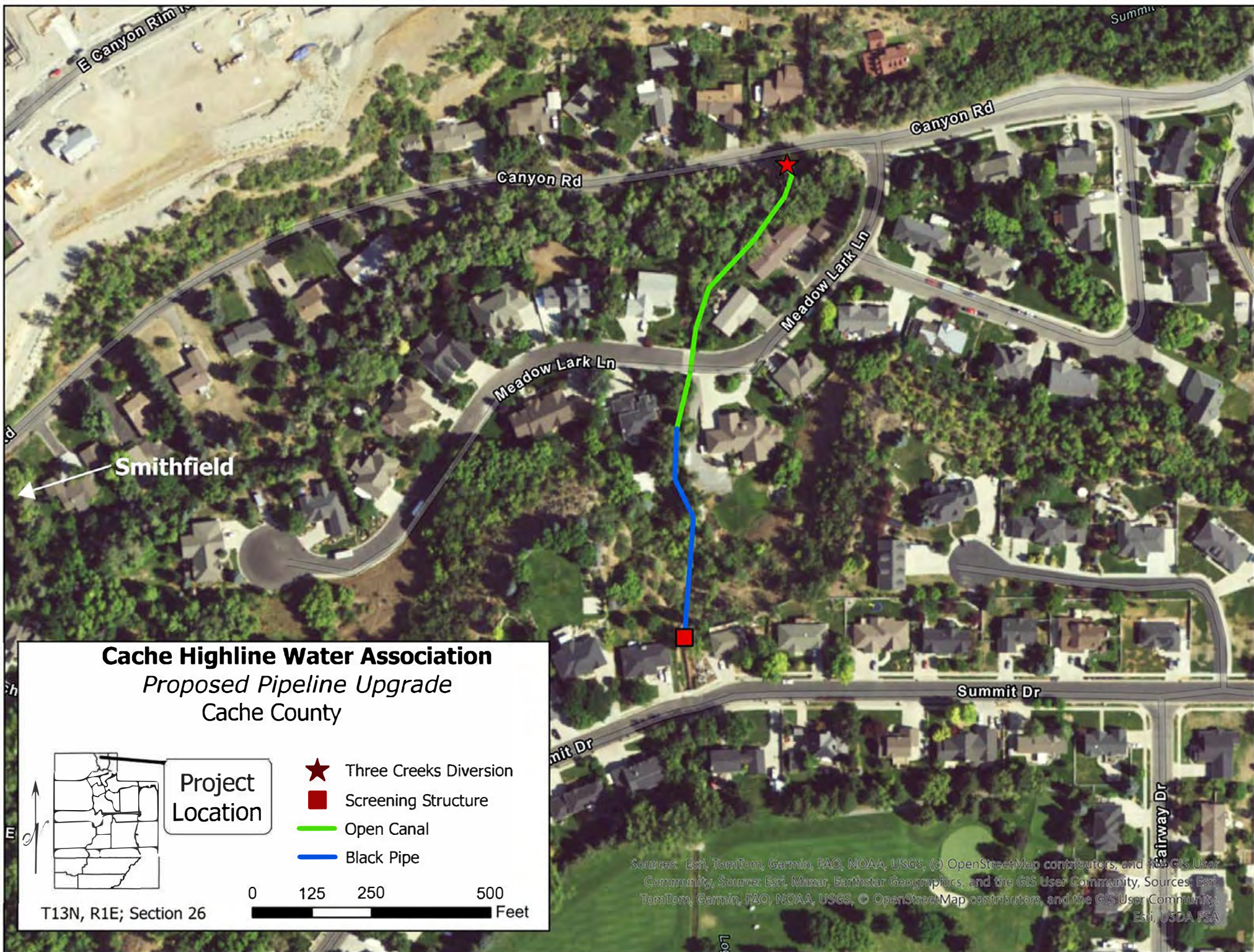
If the board authorizes the proposed project, the applicant must do the following before a purchase agreement can be executed:

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 letters from all outside financing agencies establishing their commitment of funds to the project.











# BOARD OF WATER RESOURCES

## Special Item – Defer Payments



**Applicant:** **Mosby Irrigation Company**

**Project Number:** RD730  
**Fund:** Revolving Construction Fund  
**Total Cost:** \$ 9,490,000  
**Board Funding:** \$ 7,592,000

**Application Received:** 2/20/1990  
**Authorized:** 3/1/1990  
**Committed:** 3/11/2004  
**Board Meeting Date:** 10/9/2025

**Board Member:** William Merkley  
**Project Manager:** Tom Cox

**Summary:** The purpose of the project was to construct Red Wash Dam, which was completed in 2009. In order to pay for a new pipeline project, the applicant is requesting that annual payments for the Red Wash project be deferred one year.

**Recommendation:** Staff recommends the board amend the Purchase Agreement to defer all remaining payments by one year. Regular payments will resume in 2026.

### Project Contacts:

**President:**  
Chris Walker  
PO Box 453  
Lapoint, UT 84039  
435-823-6403

**Secretary:**  
Martin Huber  
PO Box 453  
Lapoint, UT 84039-0453  
435-247-2451

**Engineer:**  
Eric Major  
Jones & DeMille Engineering  
520 W. Highway 40  
Roosevelt, UT 84066  
435-760-5844



## Location

The project is located two miles north of Lapoint in Uintah County.

## Project Summary

In 2004, the board committed funds for the construction of Red Wash Dam. Additional funds were committed on two occasions, with the board providing a total of \$7,592,000. The dam was completed in 2009, and is 80 feet high, 1,040 feet long, with a storage capacity of approximately 2,523 acre-feet.

Current funding terms state the project will be purchased at 0% interest over 59 years with annual payments increasing from \$25,000 to \$195,000. This year's payment is \$92,500. The applicant is up-to-date with their repayments.

The applicant, in conjunction with Whiterocks Irrigation Company, has obtained grant funds from the Bureau of Reclamation (WaterSMART) and Utah Department of Agriculture and Food (Ag Optimization) to make improvements to their respective irrigation systems. The applicant's project is to install approximately 4,785 feet of 42-inch pipe to enclose its feeder canal to Red Wash Reservoir. It is estimated that piping the canal will eliminate approximately 725 acre-feet of seepage loss annually.

The pipeline project is estimated to cost \$1,160,000 and the applicant's cost share will be \$116,000. The project materials have been procured and construction is expected to begin in October.

The applicant is requesting that payments for the Red Wash Dam project be deferred by one year to be able to cover its cost share of \$116,000 for the upcoming pipeline project. Payments will resume in 2026.

## Modification of Terms

Staff recommends the board amend the Purchase Agreement to defer all remaining payments by one year. Regular payments will resume in 2026.



# BOARD OF WATER RESOURCES

## Special Item - Withdrawal Report



**Applicant:** **Weber Basin Water Conservancy District**

**Project Number:** RM120  
**Fund:** ARPA Grant

**Application Received:** 7/18/2024  
**Committed:** 9/12/2024  
**Board Meeting Date:** 10/9/2025

**Board Member:** Tim Hawkes  
**Project Manager:** Ann Baynard

### Project Contacts:

<b>General Manager:</b> Scott Paxman 2837 E. Highway 193 Layton, UT 84040 801-771-1677	<b>Assistant General Manager:</b> Jon Parry 2837 E. Highway 193 Layton, UT 84040 801-771-1677	<b>Finance Director:</b> Calysta Bravo 2837 E. Highway 193 Layton, UT 84040 801-771-1677
----------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------

### Location

The project is located in Layton, West Bountiful, Woods Cross, North Salt Lake and Farmington in Davis County, and Washington Terrace, Uintah Bench and West Haven in Weber County.

### Summary

In its September 2024 meeting, the board committed \$4,886,700 in ARPA grant funds for the applicant to install 1,112 secondary meters. Subsequently, the funds were put under contract. This was a third contract for ARPA funds for the applicant.

In an email on September 8, 2025, the applicant indicated that the total number of meters to install is now 2,000 less than previously expected. As a result, they will not be using the ARPA funds from this contract and are releasing the funds back to the Board.

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

# BOARD OF WATER RESOURCES

## Report Summary



### Update on Cloud Seeding Operations in Utah October 9, 2025

#### New Framework for Ground Program

- Utah's ground program will now be fully operated remotely. Through cost sharing with local sponsors, the state has completed the development of 187 generators. This will streamline operational practices with ongoing reporting and better stakeholder engagement.

#### Expansion of Drone Program

- The Cache Valley drone program, which operated in 2024-2025, proved that drones can function in supercooled clouds for an extended period of time.
- The drone program will be expanded into the Kamas and Ogden valleys. Another program in central Utah, near Fillmore, is expected to begin as well, and includes some local sponsorship funding.

#### Bear River Cloud Seeding Program

- A joint program with the state of Idaho will support and test the efficacy of drones in the Bear River Basin.
- The program uses data from a 2018 feasibility study completed by the National Center for Atmospheric Research (NCAR), including flight tracks and other data, for best operational practices.
- Rainmaker Technology Corporation (Rainmaker) will collect and submit all data to a 3<sup>rd</sup> party evaluator to quantify the water production from the operations.

#### Seeded and Natural Orographic Winter Storms CATCHment Processes and Evaluation (SNOWSCAPE)

- SNOWSCAPE is a new scientific framework for evaluating the results of cloud seeding. This will be conducted in the Weber River Basin.
- The framework includes a field campaign with NCAR, the University of Utah, Utah State University and Rainmaker where data will be collected to identify physical evidence of cloud seeding impacts.
- This data will be utilized in two different models: one for weather impacts (WRF-WxMod) and one for streamflow impacts (WRF-Hydro).
- The models will be run using data from three winter seasons. The results will provide a range of water volumes indicating cloud seeding impacts on water resources.
- An environmental study will be completed to research the potential long-term effects of silver iodide in the environment. It will be led by Heritage Environmental Consultants.

**Prepared by Jonathan Jennings – Meteorologist | Cloud Seeding Coordinator**

## **2026 Proposed Board Meeting Schedule**

Below are the proposed dates for 2026 Board Meetings (Thursday except where noted):

January 29	Salt Lake City
March 18 (Wed)	St. George (after Utah Water Users Conference)
May 14	Salt Lake City
June 25	Salt Lake City
August 20	Salt Lake City
October 8	TBD (Board tour October 7 – Sevier River Basin)
December 8 (Tues)	Salt Lake City

*Unapproved*

BOARD OF WATER RESOURCES

BRIEFING MEETING

MINUTES

AUGUST 21, 2025

UTAH BOARD OF WATER RESOURCES

BOARD BRIEFING MEETING

August 21, 2025

10:00 AM

**BOARD MEMBERS PRESENT**

Chair Mike Davis

Vice Chair Dana Van Horn

William Merkley

Blaine Ipson

Spencer Jones (online)

Juliette Tennert

Brian Steed

**BOARD MEMBERS EXCUSED**

Tim Hawkes

**STAFF PRESENT**

Director Candice Hasenyager

Deputy Director Joel Williams

Assistant Director Shalaine DeBernardi

Assistant Director Todd Stonely

Marisa Egbert

Tom Cox

Ben Marett

Ethan Stayner

Ann Baynard (on-line)

Brad Caldwell

Eric Dixon

Shannon Clough

Jessica Cheun

Sarah Shechter, Attorney General's Office

AV Team Carmen McDonald & Seth Magers

**OTHERS**

Edward Mueller, Deputy State Water Agent

**WELCOME**

CHAIR MIKE DAVIS called the meeting to order at 10:00 AM. He then excused board member TIM HAWKES from this meeting, and all board members present and online introduced themselves.

CANDICE HASENYAGER introduced the staff present.

#### **DISCUSSION OF BOARD AGENDA ITEMS**

<u>Project #</u>	<u>Applicant</u>	<u>County</u>	<u>Project Manager</u>
------------------	------------------	---------------	------------------------

#### **FEASIBILITY REPORTS:**

<b>RE499 Lake Creek Irrigation Company</b>	<b>Wasatch</b>	<b>Ben Marett</b>
--------------------------------------------	----------------	-------------------

BEN MARETT summarized the project report.

DANA VAN HORN asked why the interest rates are different for agriculture versus the secondary.

SHALAINE DEBERNARDI explained that the board guidelines specify the interest rates for different uses and secondary is considered a municipal use, so we use the municipal rate. The Board guidelines are what dictate that we have 1% for agriculture projects and a higher variable rate for municipal projects.

#### **COMMITTAL OF FUNDS:**

<b>RE472 Davis &amp; Weber Counties Canal Company</b>	<b>Davis</b>	<b>Tom Cox</b>
-------------------------------------------------------	--------------	----------------

TOM COX summarized the project report.

BRIAN STEED AND JULIETTE TENNERT have joined the meeting. (10:14 AM)

<b>RE495 Co-op Farm Irrigation Company</b>	<b>Weber</b>	<b>Ethan Stayner</b>
--------------------------------------------	--------------	----------------------

ETHAN STAYNER summarized the project report.

WILLIAM MERKLEY asked if this was presented to UDAF, the water optimization group, as a phased project in order to get two separate water optimization grants?

CANDICE HASENYAGER suggested asking Tony Richards at UDAF to get an answer before the board meeting.

**RE496 Huntsville South Bench Canal Company**

**Weber**

**Bradley Caldwell**

BRADLEY CALDWELL summarized the project report.

**NEW APPLICATIONS:**

RE500 Smithfield Irrigation Company

Cache

Ann Baynard

RE501 Cache Highline Water Association

Cache

Bradley Caldwell

**SECONDARY METER ARPA GRANT RETURNED FUND:**

SHALAINE DEBERNARDI will be asking the board to set a fifth application period of September 8, 2025 through October 10, 2025.

**LAKE POWELL PIPELINE UPDATE AND CONTRACT AMENDMENT REQUESTS:**

ERIC DIXON as you know, the Colorado River issues and their associated deadlines continue to be a significant focus, especially with the potential for federal intervention. So water conservation and reuse remain top priorities for the area. I will provide a more detailed update during the board meeting, but the most pressing item is that we have two contract extensions set to expire. We propose extending both contracts for an additional two years, so we will be requesting a motion at the board meeting to approve these two-year contract extensions.

**GREEN RIVER BLOCK-THIRD PARTY CONTRACT:**

SARAH SCHECTER, ASSISTANT ATTORNEY GENERAL provided information to the board regarding the history of the water rights that are separated into the Green River block and Lake Powell Pipeline block, and how change applications of Green River block water trigger the need for a contract between the board and a third party. Kent Raim acquired a segregated portion of the assigned water right from Uintah Water Conservancy District and applied to the Colorado River Authority to use this water right as part of the Demand Management Pilot Program. Mr. Raim is required to file a fixed-time change application to participate in the program. She is recommending the board approve the Third Party Contract as to form. We'll have an updated motion for the board meeting.

**INFORMATION TO THE BOARD:****STATUS OF FUNDS:**

SHALAINE DEBERNARDI presented the Status of Funds. There was a board discussion about dam safety funds and Joe's Valley Dam in particular.

**UPDATE ON GREAT SALT LAKE LITIGATION:**

SARAH SHECHTER, ASSISTANT ATTORNEY GENERAL presented the update.

SHALAINE DEBERNARDI discussed the tour, upcoming Board Meetings and what schedule is preferred going forward. The Board agreed that Thursdays are good, and mornings would work better than doing them later in the afternoons.

MARISA EGBERT updated the board about unused ARPA funds, projects that are not moving forward and how staff may handle those in the near future.

**ADJOURNMENT:**

BLAINE IPSON moved to adjourn the meeting at 11:41 AM. BRIAN STEED seconded the motion.



## TABLE OF CONTENTS

SUMMARY OF BOARD ACTIONS

THOSE PRESENT

MINUTES

FEASIBILITY REPORTS

SPECIAL ITEMS

DIRECTOR'S REPORT

ADJOURNMENT

## SUMMARY OF BOARD ACTIONS

AUGUST 21, 2025

1. **APPROVAL OF BOARD MINUTES:** DANA VAN HORN moved to approve the June 26, 2025 meeting minutes. BRIAN STEED seconded the motion. All voted in favor and the motion passed.
2. **RE499 Lake Creek Irrigation Company** BLAINE IPSON moved the board authorize 85% of the project cost, up to \$8,645,000, and that the project be purchased at 1.26% interest over 30 years with annual payments of approximately \$347,800. DANA VAN HORN seconded the motion. All voted in favor and the motion passed.
3. **RE472 Davis & Weber Counties Canal Company** WILLIAM MERKLEY moved the board commit 85% of the project cost, up to \$999,000, and that the project be purchased at 0% interest over 20 years, with annual payments of approximately \$50,000. BLAINE IPSON seconded the motion. All voted in favor and the motion passed.
4. **RE495 Co-op Farm Irrigation Company** DANA VAN HORN moved the board commit 17.5% of the project cost, up to \$348,000, and that the project be purchased at 0% interest over 15 years, with annual payments of approximately \$23,200. WILLIAM MERKLEY seconded the motion. DANA VAN HORN, WILLIAM MERKLEY AND BLAINE IPSON voted in favor, JULIETTE TENNERT and BRIAN STEED opposed. The motion passed.
5. **RE496 Huntsville South Bench Canal Company** WILLIAM MERKLEY moved the board commit 16.1% of the project cost, up to \$320,000, and that the project be purchased at 0% interest over 15 years, with annual payments of approximately \$21,350. BLAINE IPSON seconded the motion. DANA VAN HORN, WILLIAM MERKLEY AND BLAINE IPSON voted in favor, BRIAN STEED and JULIETTE TENNERT opposed. The motion passed.
6. **SECONDARY METER ARPA GRANT RETURNED FUNDS:** BRIAN STEED moved the Board set a fifth application period of September 8, 2025 through October 10, 2025, and that the Board state that only applicants who meet all the Board, State and Federal requirements to receive ARPA grant funds, at the time of application, are eligible in this round. SPENCER JONES seconded the motion. All voted in favor and the motion passed.

- 7. LAKE POWELL PIPELINE UPDATE AND CONTRACT AMENDMENT REQUESTS:** SPENCER JONES moved the Board amend the contract with Stantec for two additional years, until December 31, 2027, to continue the work approved in 2020. No additional funds will be provided for this amendment. DANA VAN HORN seconded the motion. All voted in favor and the motion passed.

DANA VAN HORN moved the Board amend the contract with the Bureau of Reclamation for two additional years, until September 30, 2027, to continue the work in the Task Order. No additional funds will be provided for this amendment. WILLIAM MERKLEY seconded the motion. All voted in favor and the motion passed.
- 8. GREEN RIVER BLOCK WATER RIGHT CONTRACT:** BRIAN STEED moved the Board approve the Third Party Contract for the payment to the Bureau of Reclamation of fees associated with the Green River Block water rights as to form, and to allow the Board officers to enter third party contracts as the obligation arises. BLAINE IPSON seconded the motion. All voted in favor and the motion passed.
- 9. ADJOURNMENT:** WILLIAM MERKLEY moved to adjourn the meeting at 2:02 PM.

## **THOSE PRESENT**

### **BOARD MEMBERS PRESENT**

Chair Mike Davis  
Vice Chair Dana Van Horn  
William Merkley  
Blaine Ipson  
Spencer Jones (online)  
Brian Steed  
Juliette Tennert

### **BOARD MEMBER EXCUSED**

Tim Hawkes

### **STAFF PRESENT**

Director Candice hasenyager  
Deputy Director Joel Williams  
Assistant Director Shalaine De Bernardi  
Marisa Egbert  
Tom Cox  
Ben Marett  
Ethan Stayner  
Brad Caldwell  
Ann Baynard (online)  
Eric Dixon  
Shannon Clough  
Jessica Cheun  
Michael Sanchez  
Steven Gregerson  
Sarah Schechter, Attorney General's Office  
Edward Mueller, Deputy State Water Agent  
AV Team Carmen McDonald and Seth Magers

### **OTHERS**

Greg McPhie - President, Lake Creek Irrigation Company  
Devin McKrola - Board Member, Lake Creek Irrigation Company  
Nathan Davis - Engineer, Bowen Collins & Associates  
Rick Smith - General Manager, Davis & Weber Counties Canal Company

**Utah Board of Water Resources**  
**Board Meeting**  
August 21, 2025  
1:00 PM  
Department of Natural Resources Auditorium  
1594 W. North Temple, Salt Lake City, UT 84114

CHAIR MIKE DAVIS called the meeting to order at 1:01 PM and introduced himself. Board members present and online introduced themselves.

**APPROVAL OF MINUTES:**

DANA VAN HORN moved to approve the June 26, 2025 meeting minutes. BRIAN STEED seconded the motion. All voted in favor and the motion passed.

<b><u>Project #</u></b>	<b><u>Applicant</u></b>	<b><u>County</u></b>	<b><u>Project Manager</u></b>
-------------------------	-------------------------	----------------------	-------------------------------

**FEASIBILITY REPORTS:**

<b>RE499 Lake Creek Irrigation Company</b>	<b>Wasatch</b>	<b>Ben Marett</b>
--------------------------------------------	----------------	-------------------

BEN MARETT presented the report.

BLAINE IPSON moved the board authorize 85% of the project cost, up to \$8,645,000, and that the project be purchased at 1.26% interest over 30 years with annual payments of approximately \$347,800. DANA VAN HORN seconded the motion. All voted in favor and the motion passed.

**COMMITTAL OF FUNDS:**

<b>RE472 Davis &amp; Weber Counties Canal Company</b>	<b>Davis</b>	<b>Tom Cox</b>
-------------------------------------------------------	--------------	----------------

TOM COX presented the report.

WILLIAM MERKLEY moved the board commit 85% of the project cost, up to \$999,000, and that the project be purchased at 0% interest over 20 years, with annual payments of approximately \$50,000. BLAINE IPSON seconded the motion. All voted in favor and the motion passed.

**RE495 Co-op Farm Irrigation Company****Weber****Ethan Stayner**

ETHAN STAYNER presented the report.

DANA VAN HORN moved the board commit 17.5% of the project cost, up to \$348,000, and that the project be purchased at 0% interest over 15 years, with annual payments of approximately \$23,200. WILLIAM MERKLEY seconded the motion. DANA VAN HORN, WILLIAM MERKLEY AND BLAINE IPSON voted in favor, JULIETTE TENNERT and BRIAN STEED opposed. The motion passed.

**RE496 Huntsville South Bench Canal Company****Weber****Bradley Caldwell**

BRADLEY CALDWELL presented the report.

WILLIAM MERKLEY moved the board commit 16.1% of the project cost, up to \$320,000, and that the project be purchased at 0% interest over 15 years, with annual payments of approximately \$21,350. BLAINE IPSON seconded the motion. DANA VAN HORN, WILLIAM MERKLEY AND BLAINE IPSON voted in favor, BRIAN STEED and JULIETTE TENNERT opposed. The motion passed.

**NEW APPLICATIONS:** for information only, no presentation or action taken.

RE500 Smithfield Irrigation Company

Cache

Ann Baynard

RE501 Cache Highline Water Association

Cache

Bradley Caldwell

**SECONDARY METER ARPA GRANT RETURNED FUNDS:**

SHALAINE DEBERNARDI presented the report.

SPENCER JONES joined the meeting online at 1:33.

BRIAN STEED moved the Board set a fifth application period of September 8, 2025 through October 10, 2025, and that the Board state that only applicants who meet all the Board, State and Federal requirements to receive ARPA grant funds, at the time of application, are eligible in this round. SPENCER JONES seconded the motion. All voted in favor and the motion passed.

**LAKE POWELL PIPELINE UPDATE AND CONTRACT AMENDMENT REQUESTS:**

ERIC DIXON presented the report.

SPENCER JONES moved the Board amend the contract with Stantec for two additional years, until December 31, 2027, to continue the work approved in 2020. No additional funds will be provided for this amendment. . DANA VAN HORN seconded the motion. All voted in favor and the motion passed.

DANA VAN HORN moved the Board amend the contract with the Bureau of Reclamation for two additional years, until September 30, 2027, to continue the work in the Task Order. No additional funds will be provided for this amendment. WILLIAM MERKLEY seconded the motion. All voted in favor and the motion passed.

**GREEN RIVER BLOCK WATER RIGHT CONTRACT:**

Sarah Shechter presented the report.

WILLIAM MERKLEY stated that because the water conservancy district that he represents is party to the contract that he will need to recuse himself from the vote. He wanted to publicly thank Sarah and her team for all of the work that they have done to answer questions that have been lingering for a number of years.

BRIAN STEED moved the Board approve the Third Party Contract for the payment to the Bureau of Reclamation of fees associated with the Green River Block water rights as to form, and to allow the Board officers to enter third party contracts as the obligation arises. BLAINE IPSON seconded the motion. All voted in favor and the motion passed.

**DIRECTOR'S REPORT:**

CANDICE HASENYAGER this week is interim week and we have had a number of legislative meetings. Our board member Brian Steed gave multiple presentations. I was able to Present at the Legislative Water Development Commission about turf and waterwise landscaping. Kelly Cope from USU joined me talking about the benefits of lawn and grasses, and the importance of the research they are doing. I feel like we're in alignment, and it's important to note that we do not want gravelscapes. The state does require plant cover to receive incentives for replacing turf with waterwise landscapes. We submitted two budget requests, one of which was for Dam Safety, as this is an ongoing need, and the other for potential incentives for waterwise landscaping for new construction.

As you are likely aware, 100% of the state is currently experiencing drought, with a significant portion under severe and extreme drought. This is certainly not the outcome any of us hoped

for. We have just experienced another hot and exceptionally dry summer, which contributed to the severity of the dry conditions.

From June 1 to August 1, our reservoir storage levels dropped by approximately 19%. This is significantly higher than the typical 8% drop we usually observe during this period.

This increased reduction in storage can be attributed to several factors, including the hot, dry conditions that led to increased demand, as well as a less-than-ideal runoff season. As a result, the reservoirs were not replenished as they normally would be while we were drawing them down. Consequently, our soil moisture and reservoir conditions heading into this fall are similar to those in 2020. We are optimistic, however, as the forecast for next week shows some rain.

We are in the throes of the State Water Plan, which is due at the end of 2026. We will be hosting public scoping meetings, which we're calling "Water Talks," starting very soon. The first meeting is next week, on August 28th in Monticello. These meetings will run through October. I plan to attend as many as possible, though I may not make it to all of them. We will send a link to the Water Talks schedule shortly. We welcome you to participate in any and all of these meetings, especially those relevant to your area of interest. We are actively collaborating with our agency partners to assign sections and develop initial drafts. We remain on target for the agency partner review on January 1, and we would greatly appreciate the board's review at that time as well. Following this, we will update the draft with any necessary edits before it proceeds to public review next summer. This timeline should allow us to finalize everything by December 31.

Update on conservation, during fiscal year 2025, state funding and programs facilitated the replacement of approximately 3.2 million square feet of grass. This achievement would not have been possible without the dedication of our district partners and the division staff who manage these programs, and we are incredibly grateful for their efforts. We are also continuing our Waterwise Landscaping series, as I mentioned at our last board meeting. There is one more session scheduled for next week, August 27th, titled "Winning the War on Weeds." All sessions are recorded and available for viewing.

Regarding our water conservation plans, drafts for 39 systems were due in July, and Josh from our team is currently reviewing them and providing feedback. We are also continuing to update our weekly lawn watering guide every Friday. We have several outreach events scheduled, including: Manti Education on September 2nd & 3rd, Conservation Garden Park Birthday on September 20th, as well as Sego Lily Fall Fair. We will be hosting three Localscapes classes in Smithfield, Richfield, and Brigham City.

Cloud seeding is a big push and ongoing. Our meteorologist started sending out a Monday forecast. I'll ask him to add you to the distribution list so you can receive it as well. One of the



big things going on is the "Snowscape Research" project, a deep dive into cloud seeding, is progressing. This collaboration with University of Utah, Utah State University and the National Center for Atmospheric Research, aims to determine how much additional precipitation from cloud seeding translates to runoff. We are also planning fieldwork for an environmental study to assess the environmental impacts of cloud seeding. There have been studies done in other states, but it is important to us to do one in Utah. Utah will conduct a study next year to assess environmental considerations related to seeded snow, stream flow, lake water, and lake bed sediment. Our operational program starts November 1st. We're expanding the Bear River Basin program and Idaho is looking to partner with us on that. The state received \$3 million this legislative session for a larger Bear River Basin effort and new technology testing. We will have Jonathan Jennings, our meteorologist, come and present at our October board meeting.

The Great Salt Lake Basin Integrated Plan is on track for completion by 2027, as mandated by legislation. The work plan is finished, and we are hiring a planning consultant to develop scenarios and public outreach. We're also collaborating with the bureau to secure a modeling consultant. Several projects are already contracted and underway, with some nearing completion or already done. A draft report on the Great Salt Lake evaporative loss study is expected later this year.

The Unified Water Infrastructure Plan is due by March of next year. We're excited to work with the Governor's Office of Planning and Budget and R6, an AOG, to utilize their new Utah Project Portal for the Unified Water Infrastructure Plan. This portal will allow entities to log in, track, and update their projects, providing a centralized way for us to collect project information. We saw a demo yesterday, and it looks really exciting. We are also working on the prioritization process through the Water Development Coordinating Council. We are currently reviewing that information, and the next stage of this prioritization process involves developing rules, which will then be presented to the public to solicit participation and feedback. We have scheduled four public meetings, one in each of the northern, central, southern and rural parts of the state. The target cities are Brigham City, Duchesne, Provo, and Cedar City. We will send out the specific dates for these meetings soon.

We have a Bear River Commission tour this Friday. The commission's meeting is not until November.

Intense negotiations are currently underway between the seven basin states and the federal government regarding the Colorado River, as the 2007 interim guidelines are set to expire at the end of 2026. The Secretary of Interior has mandated that an agreement in principle be reached by the states by November 11th, in order for the seven basin states alternative to be included in the Environmental Impact Statement (EIS) process. To achieve this, the basin states are meeting

frequently, often weekly or bi-weekly, and recently convened in Salt Lake City. Difficult decisions confront all parties involved, making this a challenging period for resolution. In addition to the November deadline, the Secretary has also indicated that the states need a finalized formal agreement by February 14th. The Bureau has stated that if the basin states fail to reach an agreement, the federal government will come up with an alternative, which may not be in the best interests of the upper or lower division states.

**ADJOURNMENT:**

WILLIAM MERKLEY moved to adjourn the meeting at 2:02 PM.