

Brad Little *Governor*

Jeff Raybould

Chairman St. Anthony At Large

Roger W. Chase

Vice-Chairman Pocatello District 4

Jo Ann Cole-Hansen

Secretary Lewiston At Large

Dale Van Stone

Hope District 1

Albert Barker

Boise District 2

Dean Stevenson

Paul District 3

Peter Van Der Meulen Hailey At Large

Brian Olmstead

Twin Falls At Large

AGENDA

IDAHO WATER RESOURCE BOARD

Board Meeting No. 10-21 WORK SESSION

Thursday, July 22, 2021 Executive Session begins at 8:00 a.m. (MST) *closed to the public* Work Session begins at 9:00 a.m. (MST) Hilton Garden Inn Snake River Ballroom / Zoom Online 1741 Harrison St. N TWIN FALLS, ID Board Members & the Public may participate via Zoom <u>Click here to join our Zoom Meeting</u> Dial in Option: 1(253) 215-8782

Meeting ID: 983 1609 4396 Passcode: 173045

1. Roll Call

2. <u>Executive Session</u>: Board will meet pursuant to Idaho Code § 74-206(1) subsection (f) to communicate with legal counsel regarding legal ramifications of and legal options for pending litigation, or controversies not yet being litigated but imminently likely to be litigated. <u>Topics</u>: Water rights applications 37-23110 and 37-23111 and Water right applications 01-10613, 21-13160, 21-7578, 21-7580, & 21-7577. Also, subsection (d) To consider records that are exempt from disclosure as provided in <u>chapter 1</u>, title 74, Idaho Code. <u>Topic</u>: H.B. 266 Cloud Seeding. There are no actions during executive session. Closed to the public.

- 3. Eastern Snake Plain Aquifer Update
 - a. Aquifer Storage Update
 - b. Thousand Springs & Swan Falls Flows Update
 - c. Near Blackfoot to Minidoka Reach Gains Update
 - d. Sentinel Wells Update
 - e. IWRB Recharge Effects Analysis
- 4. Bennington Irrigation Loan
- 5. Adjourn

The board will break for lunch at approximately noon.

1:00 p.m. – 4:00 p.m.: The board will depart for a field trip of the Twin Falls Canal Company facilities.

Transportation will be provided for board members, IDWR staff, and invited guests.

The Board will hold a ceremony for retiring board members at 6 p.m. for board members, IDWR staff, and invited guests.

* Action Item: A vote regarding this item may be made this meeting. Identifying an item as an action item on the agenda does not require a vote to be taken on the item. <u>Americans with Disabilities</u>: If you require special accommodations to attend, participate in, or understand the meeting, please make advance arrangements by contacting Department staff by email: jennifer.strange@idwr.idaho.gov or by phone at (208) 287-4800.

Memorandum

To: Idaho Water Resource Board

From: Cynthia Bridge Clark

Date: July 14, 2021

Re: Aquifer Storage Update



Mike McVay of IDWR will provide an update on the ESPA storage.



ESPA Storage Changes

Presented by Mike McVay, P.E., P.G.

July 22, 2021







Aquifer Water Balance

Inflow – Outflow = ΔStorage

<u>ESPA Inflows</u> = Incidental recharge from SW irrigation, Canal Seepage, Perched River Seepage, Tributary Underflow, Precipitation.

<u>ESPA Outflows</u> = Evapotranspiration, Spring Discharge, Well Pumping

- Requires large investment of time, money and effort.
- A more efficient method of calculating change-in-storage allows us to evaluate both aquifer conditions and aquifer management activities.
- Direct calculation of change-in-storage using water-level measurements.





Using Water-Level Data to Estimate Changes in Aquifer Storage

- Water-level changes are calculated for each of the wells.
- Changes at the wells are interpolated across the ESPAM version
 2.2 (ESPAM2.2) model area to create water-level change maps.
 The resulting volume represents water and aquifer matrix.
- Specific Yield (Sy) is the ratio of the volume of water that drains from a saturated rock due to gravity to the total volume of the rock.

Specific Yield = Available Water







Using Water-Level Data to Estimate Changes in Aquifer Storage

- Water-level data are differenced to produce water-level changes at discrete points (at the wells).
- Changes at the wells are interpolated across the ESPAM2.2 model area to create water-level change maps.
 - The resulting volume represents water and aquifer matrix.
- ✓ The volumes calculated above are multiplied by the average, calibrated Sy from EPAM2.2 to calculate the change in volume of water.





Storage Coefficient Change with ESPAM2.2

- The ESPAM has been updated to ESPAM2.2
- Increased monitoring provided additional data for calibration.

 Much of the new data were in areas that did not have much (or any) data in ESPAM2.1.
- The calibrated Sy increased from **0.06** to **0.085**.
- A larger Sy increases the calculated aquifer-storage change value.
 - Both gains and losses are larger using the Sy from ESPAM2.2.





Mass Measurements and Aquifer Storage Changes

- Storage change calculations are based on data collected during mass measurement events.
- Mass measurement events are designed to collect as much data as possible during a brief window of time.
 - Provides a snapshot of the aquifer.
- Previous mass measurement events took place in the spring of 1980, 2001, 2002, 2008, 2013, 2018, and are now conducted every 5 years.





Mass Measurement Change Maps





















Storage Change between Mass Measurements

- Changes based on mass-measurement events give a general indication of the volume of water stored in the aquifer;
 - However, it is difficult to make management decisions with only this information.
- Hundreds of wells are measured in the spring each year.
 - Historically, these measurements were taken as time and conditions allowed.
- Since the spring of 2016, IDWR has been conducting coordinated measurement of the ESPA well network every spring to facilitate storage-change calculations.





Rationale for using Spring-Season Water Levels

- Conducting measurement events in the spring:
 - Maximizes the time between irrigation seasons.
 - Integrates the impacts due to irrigation-season activities into a resulting condition (annual aquifer storage change).
 - Pre-irrigation measurements reduce the impact of local water use on water levels (unperturbed water table).
- Managed recharge impacts water levels, and these impacts need to be addressed in the storage-change calculations.







Water-Level Impacts due to Local Water Use

- Example: Short-term pumping in a well can produce water-level changes that do not represent the regional conditions. We don't want these water levels.
- What if a water level is impacted by increased areal recharge from a wet winter?
- Managed recharge also impacts water levels...







Water Levels Impacted by Managed Recharge

- Recharge is not an artifact of local use. It is a real, regional waterbudget component.
- Water levels that are impacted by managed recharge **must be included**.
- We need to avoid over-estimating storage changes by excluding water levels that respond too strongly to recharge.
 - Any approach used to determine which data to include/exclude requires a subjective decision.
 - There is no direct answer as to whether water-level responses to recharge appropriately represent water-budget change





Choosing Wells in Proximity to Managed Recharge

- ESPAM2.2 is a regional model.
 - The model area is broken into one-mile grid cells.
 - The model simulation period is divvied into one-month stress periods.
- Because we are calculating regional impacts, I have used the ESPAM2.2 discretization to include/exclude wells.
 - Exclude wells that are less than one mile from a recharge location.
 - For wells > one mile from recharge, exclude water levels that occur less than 30 days after an obvious recharge event –
 - Not all recharge locations are known, and not all water-level data are sufficient for these choices.

08S 19E 02CBC1







The Value of Transducer-Data Loggers

- Transducers measure the pressure of water above the probe.
 - Manual measurements are used to relate the pressure to depthof-water.
- Data loggers record the pressure measurements.
- We collect much more data using transducers.
- Able to collect measurements even if the well is inaccessible during the synoptic measurement event.
- Allows for understanding of well behavior.
- Data collected via transducer allows for the selection of the most appropriate water level.
 - Even if the water levels aren't obviously influenced by recharge.







Annual Measurement Change Maps: 2015 – 2021




























Exceptional Wet



Standardized Precipitation Index: ESPA Counties



Exceptional Drought

precipitation conditions in areas with different climates (mountains vs desert).





Storage Change Synopsis

- The ESPAM Sy increased from 0.06 to 0.85.
 O Increases the volume change for the same water-level change.
- The aquifer lost 550,000 acre-feet from 2020 to 2021.
 2021 has been much drier than 2019 and 2020.
- The aquifer has gained 2,300,000 acre-feet of storage since 2015.
- The increase in precipitation for the last few years helped us get a good start to a long-term solution.
 - Undulations due to weather are to be expected.
 - The ESPA leaks, and aquifer-storage gains are fleeting.
 - Perseverance through the dry times is vital to success.





Discussion





































Memorandum

To: Idaho Water Resource Board

From: Cynthia Bridge Clark

Date: July 14, 2021

Re: Thousand Springs & Swan Falls Flows



Matt Anders of IDWR will provide an update on the Thousand Springs and Swan Falls flows.

Memorandum

To: Idaho Water Resource Board

From: Cynthia Bridge Clark

Date: July 14, 2021

Re: Near Blackfoot to Minidoka Reach Gains



Matt Anders of IDWR will provide an update on the near Blackfoot to Minidoka reach gains.

ESPA Discharge

Presented by: Matt Anders

Date: 7/22/2021



Discharge from ESPA



Spring Discharge on ESPA



Spring Discharge on ESPA

- Springs occur when the groundwater table intersects the land surface or canyon wall.
- Discharge from springs is controlled by the water level in the ESPA. Higher water levels in the aquifer increase discharge at springs, and vice versa.





Thousand Springs Reach



Thousand Springs Reach Discharge Estimation

- Calculation method developed by Luther Kjelstrom (USGS) in 1995.
- > 17 springs in the Milner to King Hill reach of Snake River.
- Discharge values used in calculation:
 - Measured springs: Measurements in March-April.
 - Unmeasured springs: Estimated using mathematical equations.

Spring Discharge – 1912 to 2021


Spring Discharge – Murphy Gage



Murphy Gage – Adjusted Average Daily Flow (AADF)



Murphy Gage – Adjusted Average Daily Flow (AADF)



Near Blackfoot-Minidoka Reach Gains





Reach Gains

- > The gain or loss of water between the beginning and end of a river reach.
- Reach Gain = Outflow Inflow + Diversions + Reservoir Change in Content + Reservoir Evaporation - Return Flow
 - Outflow is the river discharge at the end of the river reach.
 - Inflow is the river discharge at the beginning of the river reach.
 - Diversions is the sum of canal and pump diversions from the river reach.
 - <u>Reservoir Change in Content</u> is the daily increase or decrease in physical content of any reservoirs within the river reach.
 - <u>Reservoir Evaporation</u> is the calculated evaporative losses from the reservoir.
 - Return Flow is the unused irrigation diversion returning to the river.

Near Blackfoot to Minidoka Reach Gains – 1928 to 2020





















Questions?

Matt Anders (208) 287-4932 matthew.anders@idwr.idaho.gov

ESPA Settlement Agreements: 2020 Activities

Presented by: Brian Ragan Date: July 22, 2021





OUTLINE

- 1. City Settlement Agreement: 2020 Annual Progress Report
 - 2019-2023: work towards average annual mitigation of 7,650 acre-feet
 - 2024 and beyond: maintain 5-year rolling average of at least 7,650 acre-feet
- 2. ID Ground Water Appropriators 2020 Annual Progress Report
 - 240,000 acre-feet reduction in GW diversion
- 3. Sentinel Well 2021 GW Level Index

Recharge City Source of Recharge Water Recharge Location Recharge Date Does location meet City Settlement Agreement Agreement criteria? (acre-feet) Idaho Water City of Pocatello's Palisades **Resource Board:** Yes. Approved method as All 11/16 - 11/23 Reservoir Storage Numerous per City Agreement II.A.2.a Locations 2020 Annual Recharge Rented water from Palisades Yes. Location appears in Blackfoot Jensen's Grove Not Provided table 12 of McVay Report² Water Users', Inc. 7,813.8 af Source 1. Temporary Permit # 27-115 (462.2 acre-feet) Source 2. City of Idaho Falls Yes. ESPAM2.1 modeled 5-4/18 - 10/29 Sand Creek Site shares in Palisades Water vear retention of 17.8% Users', Inc. (1152.8 acre-feet) (row 77, columns 160 and Idaho Falls 161) Source 3. Idaho Irrigation District rental (535 AF) 11/19 - 11/23 Yes. Approved method as St. Anthony Union Source 4. Idaho Irrigation per City Agreement II.A.2.a Canal District rental assigned to IWRB (1,215 AF) **Rexburg Teton River surface** Yes. ESPAM2.1 modeled 5water rights 22-203 and 22-Walters Pond 6/4 - 8/31 vear retention of 44.3% Rexburg 204C (row 77, column 183) **Average Annual Mitigation** 7,991.6 af **Five Year** 2019 2020 2021 2022 2023 Average **Total City** 8.169.4 7,991.6

Recharge Amount

7.813.8

2020

Amount

3,897.7

345.0

3,365.0

206.1

Is location authorized?

IGWA 2020 Progress Report

			IDWR relative to
	IGWA	IDWR	IGWA
5-Year Baseline	1,776,565	1,762,513	-0.8%
	-		
2020 Usage (AF)	1,598,942	1,582,684	-1.0%
	=		
2020 Reduction (AF)	177,623	179,829	1.2%
	+		
2020 Recharge (AF)	109,272	109,267	0.0%
	=	-	
Total Conservation (AF)	286,894	289,096	0.8%

240,000 AF Exceeded by:	46,894	49,096	4.7%
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Questions?

Memorandum

To: Idaho Water Resource Board

From: Cynthia Bridge Clark

Date: July 14, 2021

Re: IWRB Recharge Effects Analysis



Noah Stewart-Maddox of IDWR will provide an analysis on the board's Recharge Effects.



Noah Stewart-Maddox, Staff Hydrogeologist

The ESPA and the Role of Aquifer Management



Water Level Change Animation

- What happens in between these snapshots?
- More than 100 transducers have been installed across the ESPA
 - Many hand measurements also collected
- This data can be used to create an approximation of water level changes throughout the year



How do water levels vary throughout the year?



What would have happened if no aquifer management had occurred?



Aquifer management has significantly changed over the past several years Pumping reductions Private Recharge IWRB Recharge



To better understand the effects of aquifer management, a series of model runs were performed

IWRB Recharge

- IWRB Recharge full-scale program began in 2014
- Increased water supply and build out has dramatically increased recharge potential
- Primarily focused in the Lower Valley



IGWA Total Conservation

- IGWA/SWC agreement went into effect in 2016
- A combination of groundwater pumping reduction and private recharge
- Widely dispersed across ESPA



Changes in aquifer management have significantly improved aquifer conditions

- Recharge and total conservation have added significant amounts of additional water into the ESPA
- The goal of these changes in aquifer management are attempting to reverse decades of decline
- What would conditions in the ESPA look like without changes in aquifer management?

A combination of wet years and changes in aquifer management have resulted in an increased sentinel index



A combination of wet years and changes in aquifer management have resulted in an increased sentinel index



A combination of wet years and changes in aquifer management have resulted in an increased sentinel index





IWRB recharge and groundwater conservation can provide significant benefits in dry years

 A combination of IWRB Recharge and IGWA total conservation will add an 84,750 additional acre-ft to the Snake River system in 2021



Upper Snake River system is at 47 % of capacity.

Total space available:	2,161,601 AF
Total storage capacity:	4,045,695 AF

How much of the water level rise is due to changes in management?


Observed Water Level Change Water Level Change w/o Management 2021 Feb 10 0

20

15

5

-5

-10

-15

-20

-25



Conclusions

- It took decades for water levels to decline to their current levels
 - Likewise, it will take decades to resolve all the issues
- Changes in aquifer management are already starting to improve aquifer conditions
- There will be droughts, where options for aquifer management will be limited
- During wet periods, it is important to capture as much water into the aquifer for use later

Questions?

MEMO

To: Idaho Water Resource Board

From: Kala Golden

Date: July 12, 2021



Subject: Bennington Irrigating Company– New Water Project Loan Application

Action Item: \$200,000 loan request

1.0 INTRODUCTION

Bennington Irrigating Company (Company) is requesting a new loan in the amount of \$200,000 from the Idaho Water Resource Board (Board) to replace deteriorated pipeline and its main concrete flume (Project).

2.0 BACKGROUND

Based in Bear Lake County, the Company provides irrigation water to 79 shareholders within its service area. Located 4 miles north of Montpelier, Idaho, the Company's service area covers approximately 1,550 acres of irrigated lands, delivering water to its 20,000 shares held by the Company's users. Water is sourced from unnamed streams within Bennington Canyon. The main concrete flume and several thousand feet of pipe throughout the Company's delivery system have deteriorated beyond acceptable conditions for use, and need to be replaced. Like many water delivery systems throughout Southern Idaho, the Company's aging infrastructure is in need of imminent repairs to sustain future use of the system, and conserve valuable water supplies.

3.0 PRIOR LOANS

The Company has not previously held a water project loan with the Board.

4.0 PROPOSED PROJECT

The Project includes the installation of over 12,000 feet of pipeline, 2 new head boxes, and replacement of the Company's main flume. Engineering and technical support will be provided by the Idaho Soil & Water Conservation Commission. The project is anticipated to begin October 2021, and be completed by December of 2021.

5.0 BENEFITS

The necessary system improvements will provide a reliable, long-term water supply for the users within the Company's service area, helping to protect valuable agricultural lands within the State of Idaho.

6.0 FINANCIAL ANALYSIS

The total project costs are estimated to be approximately \$257,000. The company has been approved for a grant from the Bear Lake Soil & Water Conservation District in the amount of \$34,050, and requires a two-thirds match. The Company will fund the required match of \$22,700, and is requesting a loan from the Board for the remaining project costs, estimated to be approximately \$200,000.

The Company, by approval of its voters, last increased shareholder assessments in April of 2021, to account for costs related to the proposed Project. The Company's shareholders currently pay \$100 per shareholder for the first 13 shares, and \$1.00 per share for each additional share held; up from previous assessments of \$0.20 per additional share. The Company does not hold any existing debts.

The Company is requesting a new loan of \$200,000 for a 15-year term. The following analysis reflects the Board's current interest rate of 3.5%. The Company's previous annual revenues are based on an average of the most recent 3-year period.

Payment Analysis

Term (Years)	Estimated Annual Payment- Revolving Account Loan	Previous Assessments Total Annual Revenues	New Assessments Total Annual Revenues*
15	\$17,365.01	\$6,049.55	\$26,827.36

*Effective April 2021

6.0 WATER RIGHTS

WATER	SOURCE	Diversion Rate	PRIORITY
RIGHT		(CFS)	DATE
11-4226	Unnamed Streams	47.000	08/06/1880

7.0 SECURITY

As collateral for the loan, the Board is authorized to hold the Company's water rights associated with the System, in addition to its facilities, equipment, and all materials associated with this project.

8.0 OTHER CONSIDERATIONS

In consideration of current market conditions and continued variability in the cost of goods, the Company has committed to securing necessary materials in a timely manner, to ensure project costs remain manageable. In the case the proposed loan is approved, the Company would like to request that the Board consider a future amendment to the interest rate approved. Should the Board modify its Loan Program rates within the next 3 months, the Company would like to request that the Board consider allowing an adjustment to the approved interest rate on its loan, based on the rate set for this type of project.

9.0 CONCLUSION AND RECOMMENDATION

This loan will be used to replace deteriorated infrastructure within the Company's service area. Bennington Irrigating Company is a qualified applicant, and the project for which the Company has proposed is consistent with the goals of the Board as identified within the Idaho State Water Plan. Staff recommend approval of the loan request by the Company, for the total amount of \$200,000.



IDAHO WATER RESOURCE BOARD

322 East Front Street, Statehouse Mail Boise, Idaho 83720 Tel: (208) 287-4800 FAX: (208) 287-6700



APPLICATION FOR FINANCIAL ASSISTANCE FOR <u>NON-POTABLE WATER</u> SYSTEM CONSTRUCTION PROJECT

Answer the following questions and provide the requested material as directed. All pertinent information provided. Additional information may be requested by the Idaho Water Resource Board (IWRB) depending on the scope of the project and amount of funding requested. For larger funding amounts an L.I.D. may be required.

<u>Incomplete documents will be returned and no further action taken will be taken by IWRB staff.</u> <u>All paperwork must be in twenty eight (28) working days prior to the next bi-monthly Board</u> <u>meeting.</u>

Board meeting agendas can be found at: http://www.idwr.idaho.gov/waterboard/

I. Prepare and attach a "Loan Application Document".

The Loan Application Document requirements are outlined in the Water Project Loan Program Guidelines. The guidelines can be found at:

http://www.idwr.idaho.gov/waterboard/Financial%20program/financial.htm.

You can also obtain a copy by contacting IWRB staff.

II. General Information:

- A. Type of organization: (Check box)
 - Irrigation District
 - Canal/Irrigation Company
 - Lateral Association
 - Flood Control District
 - Homeowners Association

Bennington Irrigating Company

Organization name

423	Ν.	2nd	Ε.

PO Box/Street Address

Bennington, Idaho, 83254

City, County, State, Zip Code

	enter e ser e risseentation
Μ	lunicipality
R	eservoir Company
Ot	her
Expla	in:

Water User's Association

Rhett Phelps / President Name and title of Contact Person

Name and title of Contact Pers

(208)	31	7-7	243
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Contact telephone number

rhettphelps@yahoo.co	m
e-mail address	

Project location legal description

Iters running from Bennington Canyon - SE1/4 SE1/4 of Section 10, Township 12 South, Range 44 East of the Boise Meridian, in Idaho;

В.	Is your organization registered with the Idaho Secretary of State's office?	Yes 🔳 No 🗌
IWF	RB Non-drinking loan form 2/08	

- C. Purpose of this loan application.
 - New Project Rehabilitation or replacement of existing facility
 - DEQ requirement

D. Briefly describe the project:

Replace an old deteriorated concrete flume with larger plastic pipe, estimated cost \$250K, projected start date Oct 1, 2021 ending Dec 1, 2021

III. WATER SYSTEM:

- A. Source of water:
 - Stream Reservoir

Groundwater
Other

B. Water Right Numbers:

Water Right	Stage	Priority Date	Source	Amount
11-4226	Active	8/6/1880	Unnamed streams	47.000

Note: Stage refers to how the water right was issued. (License, Decree, or Permit)

C. If irrigation/lateral system:

Number of acres served:

Number of shareholders served

Water provided annually (acre-feet)

79			

- D. If flood control system, drainage system, groundwater recharge, or other type of system: Number of acres within District or service area: Number of people within District or service area: N/A
- E. If an Association/Municipality the number of residences served by the system:
 - Number of residences served:N/ANumber of hookups possible:N/A

N/A_____

IV. USER RATES:

A. How des your organization charge users rates?

- Per acre Per share
- Per hook up Tax assessment

Explain what a share is: 1/20000 of total seasonal stream flow

Other, explain \$100.00 for the first 13 shares and then an addditional \$1.00 per share for each additional share

B. Current rate? \$ see other above per Previous rate -\$.20/share			
(Share, hook-up, month, year, etc.)			
C. When was the last rate change? April 2021	(month/year)		
D. Does your organization measure water use? Yes No If yes, explain how: System of diversion boxes and weirs			
E. Does you organization have a regular assessment for a reserve fund If yes, explain how it is assessed:	? Yes 🗌 No 🔳		
F. Does your organization have an assessment for some future special If yes, explain for what purpose and how it is assessed: To assist with future project piping replacement and associated fees	need? Yes 🔳 No 🗌		
V. PROPOSED METHOD FOR REVENUE FOR REPAYMENT OF LOAN How will you plan to assess for the annual loan payments? Check revenue sources below: Tax Levies Capital Improvement Reserve Account or Sinking Fund User Fees and Tap/Hookup Fees Other (explain) Annual adjusted assessments as needed Will an increase in assessment be required? Yes Will an increase in assessments start and how long will they last? April 2021 for approximately 10 years			
VI. SECUREMENT OF LOAN List all land, buildings, waterworks, reserve funds, and equipment with will be used as collateral for the loan: Property	n estimated value that Estimated Value		
Approximately 5000' of main line piping	\$75000		
Two steel diversion structures	\$10000		

.

For property Securement, attach a legal description of the property being offered along with a map referencing the property.

VII. FINANCIAL INFORMATION:A. Attach a copy of each of the last 3 year's financial statement. (Copies must be attached)

B. Reserve fund (current)

C. Cash on hand \$32218.78

IWRB Non-drinking loan form 4/10

D. Outstanding indebtedness:

To Whom	Annual Payment	Amt. Outstanding	Years Left
None			

E. What other sources of funding have been explored to fund the project? (example: NRCS, USDA Rural Development, Banks, Local Government, etc.)

Soil & Water Conservation (Bear Lake District) - matching fund \$34,050 to our \$22,700

VIII. ORGANIZATION APPROVAL:

Is a vote of the shareholders, members, etc. required for loan acquisition? Yes No If yes, a record of the vote must be attached.

Amount of funds requested: \$200000

By signing this document you verify that all information provided is correct and the document is filled out to the best of your ability.

Authorized signature& date:

abet 5/29/2021 law

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF BENNINGTON IRRIGATING COMPANY FUNDING REQUEST

RESOLUTION TO AUTHORIZE FUNDING FOR THE REPLACEMENT OF DETERIORATED INFRASTRUCTURE

1	WHEREAS, Bennington Irrigating Company (Company) submitted a loan application to the Idaho
2	Water Resource Board (IWRB) in the amount of \$200,000.00 to replace deteriorated piping and its main
3	concrete flume (Project)
4	
5	WHEREAS, the Company, located in Bear Lake County, provides water to approximately 1,550
6	acres of irrigated land within its service area; and
7	
8	WHEREAS, the aging infrastructure of the Company's delivery system is in need of imminent
9	repairs to remain sustainable for future use; and
10	
11	WHEREAS, the necessary system improvements will provide a reliable, long term water supply
12	for users within the Company's service area, helping to protect valuable agricultural lands within the
13	State of Idaho; and
14	
15	WHEREAS, the total estimated cost for the Project is approximately \$257,000. The Company has
16	secured grant funding in the amount \$34,050 from the Bear Lake Soil & Water Conservation District. The
17	grant requires a two-thirds match, and will be funded by the Company in the amount of \$22,700; and
18	
19	WHEREAS, the Company is a qualified applicant and the proposed Project qualifies for a loan
20	from the Board's Revolving Development Account; and
21	
22	WHEREAS, the proposed Project is in the public interest and is in compliance with the State
23	Water Plan.
24	
25	NOW THEREFORE BE IT RESOLVED that the IWRB approves a loan not to exceed \$200,000 from
26	the Revolving Development Account at 3.5% interest with a 15-year repayment term, and provides
27	authority to the Chairman of the Idaho Water Resource Board, or his designee, to enter into contracts
28	with the Company on behalf of the Board.
29	
30	NOW THEREFORE BE IT FURTHER RESOLVED that this resolution and the approval of the loan are
31	subject to the following conditions:
32	
33	1) The Company shall comply with all applicable rules and regulations that apply to the
34	proposed Project.
35	2) The Company will provide acceptable security for the loan to the IWRB including, but not
36	imited to, the Company's water rights associated with the System and, all facilities and
51	equipment associated with the Project.

DATED this 23rd day of July, 2021.

JEFF RAYBOULD, Chairman Idaho Water Resource Board

ATTEST ______ JO ANN COLE-HANSEN, Secretary

Resolution No. _____