



## BOARD OF DIRECTORS REGULAR MEETING

Tuesday, April 9th, 2024 – 9:00A.M.

### AGENDA

1. Consent Agenda (approved with one motion).
  - a. Minutes of March 5, 2024, Regular Board meeting.
  - b. Minutes of March 7, 2024, Special Board meeting.
  - c. Minutes of March 18, 2024, Special Joint Board meeting.
  - d. Minutes of March 28, 2024, Special Board meeting.
  - e. Status of Investments Report – March 31, 2024.
  - f. Treasurer's Report– March 31, 2024.
  - g. Claims.
  - h. Declaration of Surplus items.
2. \*2024 Water supply update.
3. 2024 drought management strategy.
4. \*Authority to initiate action to prevent further subordination of power production at Roza Power Plant.
5. 2024-2025 Enclosed Conduit Systems project bid acceptance.
6. Watermaster's report.
7. \*District Manager's report.
8. Policy Director's report.
9. Engineering Manager's report.
10. Executive Session:
  - a. Executive session pursuant to RCW 42.30.110(1)(i). Potential and pending litigation- State v. Acquavella, Terrace Heights Sewer District, National Pollutant Discharge Elimination System (NPDES) permit appeal, Endangered Species Act and water rights.
  - b. Executive session pursuant to RCW 42.30.110(2)(a)(iii). To evaluate legal risk of a proposed action.
  - c. Executive session pursuant to RCW 42.30.110(1)(b). Selection of a site or the acquisition of real estate.
11. \*Action may follow after the Executive Session.

# Item #1

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# DRAFT

## REGULAR MEETING MINUTES

March 5, 2024

The Board of Directors for the Roza Irrigation District convened in regular session on Tuesday March 5, 2024. Present were President Ric Valicoff, Vice-President Jim Willard, Director Tanner Winckler, Director Jason Sheehan, Director Jason Don, and District Manager Scott Revell, Watermaster Dave Rollinger, Assistant Watermaster Aaron Wiederspohn, Maintenance Superintendent Dave Clampitt, District Attorney Brian Iller and Assessment Clerk/Assistant Secretary Kristel Espinoza.

The President called the meeting to order at 9:01 A.M. and requested the Board consider the consent agenda as presented:

- a. Minutes of February 6, 2024, Regular Board meeting.
- b. Status of Investments Report – February 29, 2024.
- c. Treasurer’s Report– February 29, 2024.
- d. Claims.

The following claims are approved for payment: Payroll numbers

It was moved by Mr. Willard, seconded by Mr. Winckler, and unanimously passed to approve the consent agenda.

District Manager Revell reported the water in storage is 64% of average. Snowpack is currently 83% on the Yakima River mainstream arm and 77% of average on the Naches River arm. District Manager Revell noted there are positive weather forecasts which could improve the water supply. USBR will issue an early water supply forecast on March 27<sup>th</sup>.

District Manager Revell updated the Board on the 2024 drought preparation, Staff are working on operating plans which can be modified as the water supply forecast evolves. Discussion followed regarding the option of leasing water, shutting down the main canal, available drought reserve funds and the pooling cut-off date.

Policy Director Sage Park updated the Board on the cloud seeding feasibility study and the various components of a study. Following discussion, Mr. Don moved, seconded by Mr. Willard and unanimously approved a cloud seeding feasibility study and authorized the use of drought funds up to \$300,000.

Watermaster Dave Rollinger presented, and the Board reviewed the Watermaster’s monthly report.

District Manager Revell presented, and the Board reviewed the District Manager’s monthly report.

Policy Director Sage Park presented, and the Board reviewed the Policy Director's monthly report.

Engineering Manager Wayne Sonnichsen presented, and the Board reviewed the Engineering Manager’s monthly report.

The President declared the Board to be in executive session for an estimated forty-five minutes beginning at 10:52 A.M. pursuant to:

# DRAFT

REGULAR MEETING MINUTES

March 5, 2024

- a. Executive session pursuant to RCW 42.30.110(1)(i). Potential and pending litigation- State v. Acquavella, Terrace Heights Sewer District, National Pollutant Discharge Elimination System (NPDES) permit appeal and water rights.
- b. Executive session pursuant to RCW 42.30.110(2)(a)(iii). To evaluate legal risk of a proposed action.

District Attorney Brian Iller recused himself and left the room at 11:20 A.M.

District Manager Revell returned at 11:37 P.M. and noted the presiding officer had determined that the Board would be in executive session for an additional ten minutes.

The President returned the Board to regular session at 11:43 A.M.

No further business appearing and upon motion duly made, seconded, and unanimously passed, the Board did there upon adjourn at 11:43 A.M. on Tuesday March 5, 2024.

ATTEST:

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PRESIDENT

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SECRETARY

# DRAFT

SPECIAL MEETING MINUTES

March 7, 2024

The Board of Directors for the Roza Irrigation District convened in special session on Tuesday March 7, 2022. Present were President Ric Valicoff, Vice-President Jim Willard, Director Tanner Winckler, Director Jason Don, Director Jason Sheehan, and District Manager Scott Revell. Engineering Manager Wayne Sonnichsen, Watermaster Dave Rollinger, Assistant Watermaster Aaron Wiederspohn and District Attorney Brian Iller.

Via telephone conference: Assessment Clerk/Assistant Secretary Kristel Espinoza.

The President called the meeting to order at 9:03 A.M.

District Manager Revell gave an informational overview to the Board in detail regarding the Enclosed Conduit System plan update. Mr. Revell noted the last time the Enclosed Conduit System was updated was in September 2022. Mr. Revell discussed Pump 13 would be broken down into five phases, which several projects have been broken down into multiple phases due to cost increases and to stay within the then budgeted annual amounts. The use of rental equipment, temporary workers and road gravel have greatly increased the efficiency of the crew constructing the Enclosed Conduit System projects and are now being completed faster, better and with fewer people, resulting in significant progress on other backlogged maintenance work,

District Manager Revell presented the Board with the capital plan update which was being crafted to base the capital charge on 72,517 acres, prior to that time the plan was based on 72,000 acres. The capital plan was last updated in September 2022 and synchronized with both the pump station upgrade plan and the lateral canal enclosure schedule. Since that time, some projects have been completed and a few priorities have changed.

Mr. Revell gave an update on the pump station replacement plan and noted the plan was revised in December 2022 and noted to the Board about a switchgear-only upgrade as plan alternative. Director Don discussed inflation and the pump station replacement plan. Mr. Willard noted the pump station replacement plan and keeping up with inflation as well.

Directors discussed the new switchgear -only approach and redirecting Enclosed Conduit System funds and possible grant funding.

No further business appearing and upon motion duly made, seconded, and unanimously passed, the Board did there upon adjourn at 10:23 A.M. on Tuesday- March 7, 2024.

ATTEST:

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PRESIDENT

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SECRETARY

# DRAFT

SPECIAL MEETING MINUTES

March 18, 2024

The Board of Directors for the Roza Irrigation District and Kittitas Reclamation District convened in a joint special session on Monday March 18, 2024, at Washington Cattlemen's Association office located at 1301 N. Dolarway, Ellensburg WA 98926. Present were Roza Irrigation Board of Directors; President Ric Valicoff, Vice-President Jim Willard, Director Tanner Winckler, Director Jason Sheehan, Director Jason Don, and District Manager Scott Revell. Policy Director Sage Park Assessment Clerk/Assistant Secretary Kristel Espinoza, and District Attorney Brian Iller.

Present for Kittitas Reclamation District (KRD) were Board of Directors; Chair Fred Schnebly, Vice-Chair Mark Hansen, Director Sherry Swanson, Director Brad Haberman and Director Bart Bland and KRD District Manager Urban Eberhart, Legal Counsel Jeff Slothower, Treasurer Stacy Berg, KRD GIS Specialist/Grant Manager Roger Satnik.

Via telephone conference: Engineering Manager Wayne Sonnichsen, Department of Ecology Drought Coordinator Caroline Mellor and Biologist Walt Larrick.

President Ric Valicoff called the Roza meeting to order at 9:35 A.M. and requested that the Board consider the agenda as presented. Following discussion, Mr. Don moved, seconded by Mr. Willard, and unanimously approved the agenda as presented.

Introductions of all who were present followed.

Department of Ecology Drought Coordinator Caroline Mellor provided a brief introduction and overview of the State drought management program to the Board. Ms. Mellor confirmed the drought declaration that was put into effect in July 2023 remains in effect until June 30, 2024. The Department of Ecology continues to have regular meetings which allow experts in the field to forecast the upcoming water supply and explained that to determine a drought there must be less than 75% of the water supply and a hardship in place. Ms. Mellor estimated the amount of funding that would be available would be just under \$3 million and the drought preparedness budget was at \$1.8 million. Mr. Eberhart encouraged Ms. Mellor to make every effort to work with state legislators in the future for additional funding and added the current amount available has decreased dramatically since 2015 (\$18M) and is inadequate to handle current drought emergencies.

District Manager Revell updated the Board on the 2024 United State Bureau of Reclamation water supply projections and noted that Roza was obtaining an option to purchase water from the Selah-Moxee Irrigation District for 6,500-acre feet at \$300.00 per acre foot. KRD District Manager Eberhart discussed with the Board that regardless of the current projections, it would be challenging for the Kittitas Reclamation District to deliver water past August.

Also discussed were drought wells and telemetry meters to receive instantaneous readings from the drought wells and the difficulty of implementing the meters on short notice. District Manager Revell reported that Roza has a regular email newsletter that is provided to landowners to allow for better communication and informs the Roza ditchriders of the upcoming changes and provides handouts for the ditchriders to pass along to the landowners.

Policy Director Sage Park updated the Board on cloud seeding to enhance water supply and discussed the process for cloud seeding, the components related to a feasibility study, costs, timeline, the permitting requirements, and environmental impacts. Policy Director Sage Park explained that a feasibility study would take 9-12 months and cost about \$300K to complete.

KRD District Manager Eberhart provided a summary of the 2023 Tributary Supplementation Program. Future projects in the program could include supplementing Swauk Creek, Whiskey Creek or Naneum Creek. Mr. Eberhart noted it is essential that tributary supplementation is only used in tributaries that can be tightly monitored to ensure that the water being used for pass through flows is not diverted. There was also a brief discussion about the future Bull Trout Facility that the KRD has allocated federal funds to construct in Easton.

Mr. Eberhart also reported on the collaboration between KRD and Westside Irrigating Company which developed the Kittitas County Joint Control Board No. 1 (KCJCB1) as an independent entity. The KCJCB1 is a separate government entity and is eligible to apply for federal funds. The KCJCB1 has a Board of Directors which is represented by Directors from KRD and Westside

# DRAFT

SPECIAL MEETING MINUTES

March 18, 2024

Irrigation Company. KRDC has taken over maintenance and operation of the canal system and the board meets bimonthly to discuss the operations of the canal and possible conservation projects.

The President declared the Board to be in executive session for an estimated sixty-minutes beginning at 11:00 A.M. pursuant to:

RCW 42.30.110(1)(i): To discuss with legal counsel representing the agency matters relating to agency enforcement actions, or to discuss with legal counsel representing the agency litigation or potential litigation to which the agency, the governing body, or a member acting in an official capacity is, or is likely to become, a party, when public knowledge regarding the discussion is likely to result in an adverse legal or financial consequence to the agency.

(iii) Litigation or legal risks of a proposed action or current practice that the agency has identified when public discussion of the litigation, or legal risks is likely to result in an adverse legal or financial consequence to the agency;

The Board returned at 12:00 P.M. and noted the presiding officer had determined that the Board would be in executive session for an additional fifteen minutes.

District Attorney Brian Iller recused himself and left the room at 12:10 P.M.

The President returned the Board to regular session at 12:15 P.M.

No further business appearing and upon motion duly made, seconded, and unanimously passed, the Board did thereupon adjourn at 12:15 P.M. on Monday March 18, 2024.

ATTEST:

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PRESIDENT

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SECRETARY

# DRAFT

SPECIAL MEETING MINUTES

March 28, 2024

The Board of Directors for the Roza Irrigation District convened in special session on Thursday March 28, 2024. Present were President Ric Valicoff, Vice-President Jim Willard, Director Tanner Winckler, Director Jason Don, and District Manager Scott Revell. Engineering Manager Wayne Sonnichsen, Watermaster Dave Rollinger, Assessment Clerk/Assistant Secretary Kristel Espinoza and Health/Safety Coordinator Tim King.

Via telephone conference: Director Jason Sheehan, District Attorney Brian Iller and U.S.B.R. River Operations Engineer Chris Lynch.

The President called the meeting to order at 2:01 P.M.

Chris Lynch, River Operations Engineer- United States Bureau of Reclamation joined the meeting and provided an early estimated update on the total water supply forecast for the 2024 water year to date of 61% to 68% which are below average and discussed with the Board the various effects of snow accumulation and snow melt on the 2024 water supply. Mr. Lynch reported on the current reservoir content and the total precipitation trends and the 2003 drought patterns.

District Manager Revell and Engineering Manager Wayne Sonnichsen presented multiple 60% proration scenarios and discussed the effects of storage control, drain pump baeks and drought emergency funding from the State Department of Ecology. Discussion followed with the Board regarding the option of leasing and purchasing water, shutting down the main canal and available drought reserve funds. Mr. Sheehan moved, seconded by Mr. Don, and unanimously approved the District Manager to lease water from Sunnyside Valley Irrigation District at \$300 per acre foot.

District Manager Revell updated the Board on the Selah-Moxee Irrigation District water mitigation purchase for up to 6,500-acre feet of senior water for the 2024 irrigation season. Staff submitted a Water Transfer Group Form to the Department of Ecology which was reviewed on March 11<sup>th</sup> by the Water Transfer Working Group. Following discussion, Mr. Willard moved, seconded by Mr. Sheehan to authorize the District Manager to acquire the Selah Moxee Irrigation District water no later than April 1, 2024, for the 2024 irrigation season.

Discussion followed with the Board regarding the option to request an extension date past April 1, 2024. Mr. Willard amended his original motion and moved, seconded by Mr. Winckler to request an extension date to April 20, 2024, from Selah Moxee Irrigation District. Following discussion, Mr. Willard withdrew his amended motion and Mr. Willard moved, seconded by Mr. Don and the motion was carried by majority with Mr. Sheehan and Mr. Valicoff in favor to authorize the District Manager to acquire the Selah Moxee Irrigation District water no later than April 1, 2024 for the 2024 irrigation season and Mr. Winckler opposed exercising the agreement on or before April 1, 2024, the Board approved the District Manager to execute the water right option agreement with the Selah-Moxee Irrigation District no later than April 1, 2024 for the 2024 irrigation season. Mr. Winckler further stated that his interest in an extension on the Selah Moxee Irrigation District option was to get more updated information on the water supply forecast in case it improved, and the water wasn't necessary.

No further business appearing and upon motion duly made, seconded, and unanimously passed, the Board did there upon adjourn at 3:20 P.M. on Thursday- March 28, 2024.

ATTEST:

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PRESIDENT

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SECRETARY



**ROZA IRRIGATION DISTRICT  
STATUS OF INVESTING ACCOUNTS  
March 31, 2024**

BANK	\$ AMOUNT	INTEREST EARNED	INTEREST RATE	BALANCE
L.G.I.P.	\$22,277,426.23	84,274.08	5.4068%	\$22,361,700.31
U.S. - MIA INV.	\$9.11	40.50	0.14905%	\$49.61
U.S. - SAVINGS	\$615,036.90	20.50	0.05%	\$615,057.40
U.S. - CHECKING	\$284,192.04	40.96	0.01%	\$284,233.00
			<b>TOTAL</b>	<b>\$23,261,040.32</b>

**ROZA IRRIGATION DISTRICT  
STATUS OF INVESTMENTS  
March 31, 2024**

INVESTMENT	RATE	MATURE	EXPENSE	TOTAL
			0.00	0.00
<b>TOTALS:</b>			0.00	0.00

<b>TOTAL OF ALL CASH</b>	23,261,040.32
<b>MINUS RESTRICTED CASH</b>	288,000.00
Reserve/Memo\$)	
(Drought)	3,611,348.33
(WSD)	4,478,478.46
<b>TOTAL O &amp; M CASH</b>	<b>14,883,213.53</b>

**ROZA IRRIGATION DISTRICT  
TREASURER'S FINANCIAL STATEMENT  
March 31, 2024**

	<b>EXPENSE</b>	<b>CONST.</b>	<b>RESERVE</b>	<b>MEMO</b>	<b>TOTAL</b>
Balance First of Month	16,906,069.18	306,969.99	288,000.00	0.00	17,501,039.17
Collections	7,142,340.70	57.36			7,142,398.06
Miscellaneous	35,128.61				35,128.61
Matured Investments					0.00
Interest	84,835.48				84,835.48
Transfers					0.00
<b>TOTAL</b>	<b>24,168,373.97</b>	<b>307,027.35</b>	<b>288,000.00</b>	<b>0.00</b>	<b>24,763,401.32</b>
<b>LESS:</b>					
Voucher Checks Issued	191,107.64	0.00			191,107.64
Misc. Checks Issued	1,310,940.55			0.00	1,310,940.55
Tier 2 Checks					0.00
NSF Check Returned					0.00
Bank Charge	312.81				312.81
Void Check	0.00				0.00
<b>TOTAL PAID</b>	<b>1,502,361.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1,502,361.00</b>
Balance End of Month	22,666,012.97	307,027.35	288,000.00	0.00	23,261,040.32

Roza Irrigation District  
 VENDOR CHECK REGISTER REPORT  
 Payables Management

Ranges:	From:	To:	From:	To:
Check Number	First	Last	Check Date	3/1/2024 3/31/2024
Vendor ID	First	Last	Checkbook ID	PRE-PAIDS PRE-PAIDS
Vendor Name	First	Last		

Sorted By: Check Number

\* Voided Checks

Check Number	Vendor Check Name	Check Date	Amount
02-24	DEPARTMENT OF REVENUE	3/25/2024	\$149.17
02-24/2	DEPARTMENT OF REVENUE	3/25/2024	\$561.70
03-24	WASH STATE SUPPORT REGISTRY	3/1/2024	\$489.60
04-24	WASH STATE SUPPORT REGISTRY # 59684	3/15/2024	\$558.83
06-24	ROZA PAYROLL PAYABLE	3/1/2024	\$123,714.69
07-24	ROZA PAYROLL PAYABLE Nathan Murray pay-out	3/4/2024	\$5,121.73
08-24	ROZA PAYROLL PAYABLE	3/15/2024	\$116,595.18
09-24	ROZA PAYROLL PAYABLE	3/29/2024	\$130,682.36
24-05	U.S. BANK/E.F.T.P.S.	3/1/2024	\$43,362.77
24-06	U.S. BANK/E.F.T.P.S.	3/4/2024	\$2,436.23
24-07	U.S. BANK/E.F.T.P.S.	3/15/2024	\$43,084.27
24-08	U.S. BANK/E.F.T.P.S.	3/29/2024	\$44,413.91
70098	DEPARTMENT OF RETIREMENT	3/1/2024	\$2,544.95
70099	ROZA EMPLOYEE BENEFIT FUND	3/1/2024	\$86.00
70100	EVERGREEN FINANCIAL SERVICES,	3/1/2024	\$149.27
70101	BRANDCRAFT MEDIA, LLC	3/1/2024	\$199.00
70173	NOE GUZMAN/C&C JANITORIAL	3/7/2024	\$385.00
70174	CENTURYLINK	3/7/2024	\$12.50
70175	UTILITIES UNDERGROUND LOCATION	3/7/2024	\$36.96
70176	ONE CALL CONCEPTS, INC.	3/7/2024	\$93.60
70177	C. SPECK MOTORS	3/7/2024	\$377.41
70178	QUILL CORPORATION	3/7/2024	\$405.00
70179	BENTON REA	3/7/2024	\$336.15
70180	BENTON REA	3/7/2024	\$438.94
70181	CITY OF SUNNYSIDE	3/7/2024	\$1,132.78
70182	INDUSTRIAL SYSTEMS, INC.	3/7/2024	\$2,963.53
70183	CO-ENERGY	3/7/2024	\$14,896.81
70184	BENTON COUNTY AUDITOR	3/7/2024	\$37.00
70185	NORTHWEST IRRIGATION OPERATORS	3/7/2024	\$150.00
70186	SYMETRA LIFE INSURANCE CO.	3/7/2024	\$504.78
70187	PACIFIC POWER & LIGHT CO.	3/7/2024	\$926.94
70188	BAER TESTING, INC	3/7/2024	\$3,965.00
70189	NW LABORERS TRUST FUND	3/7/2024	\$56,660.00
70190	APPLIED INDUSTRIAL TECH.	3/7/2024	\$602.05
70191	CLIFF'S SEPTIC TANK SERVICE	3/7/2024	\$632.97
70192	OXARC, INC.	3/7/2024	\$994.13
70193	BLUETARP FINANCIAL/BI-RITE	3/7/2024	\$131.30
70194	YAKIMA WASTE SYSTEMS, INC.	3/7/2024	\$129.04
70195	GRANDVIEW LUMBER	3/7/2024	\$429.90
70196	ALL AMERICAN PROPANE	3/7/2024	\$68.91
70197	TACOMA SCREW PRODUCTS, INC.	3/7/2024	\$10.14
70198	PACIFIC POWER & LIGHT CO.	3/13/2024	\$32.37
70199	AT&T MOBILITY	3/13/2024	\$154.65
70200	CENTURYLINK	3/13/2024	\$171.45
70201	YAKIMA COUNTY G.I.S.	3/13/2024	\$231.74
70202	SITECH NORTHWEST, INC.	3/13/2024	\$514.17
70203	YAKIMA HERALD-REPUBLIC	3/13/2024	\$584.90
70204	HLA ENGINEERING AND LAND SURVE	3/13/2024	\$1,410.00
70205	LAD IRRIGATION COMPANY	3/13/2024	\$1,280.91
70206	CASCADE NATURAL GAS CO.	3/13/2024	\$1,732.50
70207	RH2 ENGINEERING	3/13/2024	\$1,926.65
70208	WHITE CAP, L.P.	3/13/2024	\$2,773.92
70209	RETIIG FORGETTE ILLER BOWERS,	3/13/2024	\$12,045.76
70210	DEPARTMENT OF RETIREMENT	3/15/2024	\$2,624.43
70211	ROZA EMPLOYEE BENEFIT FUND	3/15/2024	\$84.00
70212	AFLAC	3/15/2024	\$554.06

\* Voided Checks

Check Number	Vendor ID	Vendor Check Name	Check Date	Checkbook ID	Audit Trail Code	Amount
70213		LABORER'S LOCAL UNION 348	3/15/2024			\$2,223.00
70214		EVERGREEN FINANCIAL SERVICES,	3/15/2024			\$149.27
70215		DEPARTMENT OF RETIREMENT	3/15/2024			\$55,109.56
70216		PACIFIC COATINGS, LLC	3/15/2024			\$18,942.00
70217		SHANNON & WILSON, INC.	3/15/2024			\$7,051.64
70218		THE STARLINE COLLECTION	3/15/2024			\$130.00
70219		CRYSTAL SPRINGS	3/18/2024			\$17.93
70220		THE HEALTHY WORKER	3/18/2024			\$455.00
70221		FIREWATER RANCH	3/18/2024			\$3,511.74
70222		C & C HOP FARMS	3/19/2024			\$44.37
70223		HLA ENGINEERING AND LAND SURVE	3/20/2024			\$1,615.26
70224		HLA ENGINEERING AND LAND SURVE	3/20/2024			\$705.00
70225		WYCKOFF FARMS, INC.	3/20/2024			\$15,634.80
70226		CASCADIA LAW GROUP	3/20/2024			\$4,807.77
70227		ERF COMPANY, INC.	3/20/2024			\$543.50
70228		CENTURYLINK	3/20/2024			\$74.42
70229		WIN-911 SOFTWARE	3/20/2024			\$1,450.00
70230		NOE GUZMAN/C&C JANITORIAL	3/21/2024			\$385.00
70231		PACIFIC COATINGS, LLC	3/21/2024			\$284,867.00
70232		FISHER SCIENTIFIC	3/21/2024			\$50.27
70233		YSI INCORPORATED, A XYLEM BRAN	3/28/2024			\$10,500.00
70234		U.S. CELLULAR	3/28/2024			\$108.47
70235		PITNEY BOWES GLOBAL FINANCIAL	3/28/2024			\$135.26
70236		PACIFIC POWER & LIGHT CO.	3/28/2024			\$722.90
70237		KELLEY CREATE	3/28/2024			\$738.14
70238		ASM AFFIILIATES	3/28/2024			\$908.75
70239		U.S. CELLULAR	3/28/2024			\$4,120.31
70240		CO-ENERGY	3/28/2024			\$11,865.35
70241		CITIES INSURANCE ASSOCIATION	3/28/2024			\$3,853.46
70242		UPL NA INC.	3/28/2024			\$253,544.37
70243		ROZA EMPLOYEE BENEFIT FUND	3/29/2024			\$84.00

Total Checks: 87

Total Amount of Checks: \$1,310,940.55

Roza Surplus Items - April 2024

Item	Manufacturer	Model	Serial #	Milage/Hrs.	Condition	Notes
1. #121 2006	CAT	314C	JPCA01356	9,400 hrs.	RUNS GOOD, HIGH HOURS	
2. #12 2011	FORD	F-150	IFTNFI9BKD38379	143,000	BURNT VALVES, WILL COST ~\$9,500.00	UPPER END FUEL TRUCK
3. #17 2013	FORD	F-150	IFTNFI9CF3DKE29556	140,000	BURNT VALVES, WILL COST ~\$9,500.00	SPARE
4. #28 2014	FORD	F-150	IFTNFI9CH0EKD69298	133,000	BURNT VALVES, WILL COST ~\$9,500.00	SPARE
5. #31 2017	FORD	F-150	IFTNFI9CF5HKC07795	107,000	BURNT VALVES, WILL COST ~\$9,500.00	DITCHRIDER
6. #80 2019	CHEVROLET	1500	2CCVKNFC0K1153789	139,000	WORKS GOOD	SUPERVISOR SPARE
7. #87 2005	CHEVROLET	2500	1GCHC24U27E193512	149,000	RUNS GOOD, OLD / DAMAGED	SPARE SERVICE
8. TABLE SAW	CRAFTSMAN	152.221240			NOT USED	
9. BAND SAW	DELTA		77-4275		NOT USED	
10. REAR FLAIL MOWER	ALAMO	93"			OLD, PARTS BECOMING HARDER TO GET	USED ON #201
11. REAR FLAIL MOWER	VRISMO	93"	VT0643-88		OLD, PARTS BECOMING HARDER TO GET	USED ON #202

# Item #3

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To: Board of Directors  
From: Scott Revell, District Manager *Scott*  
Date: April 9, 2024  
Re: Drought Response Measures & Draft Operating Plans

**Attachments**

- 1. Water Allotment Pooling fact sheet

**April 4, 2024 Water Supply Update**

- ✓ USBR issued a water supply forecast of 63% for Roza and the other proratable irrigation entities, with a low end forecast of 51%.
- ✓ Water storage: Water in storage is 71% of average.

<u>Reservoir storage status on April 4, 2024</u>		<u>capacity (Ac. Ft)</u>
Keechelus	49%	157,800
Kachess	37%	239,000
Cle Elum	41%	436,900
Bumping	82%	33,960
Rimrock	67%	198,000
Total	47% of capacity	1,065,400

- ✓ Precipitation for the water year is 84% of average to date and was 39% of average for March.
- ✓ Snowpack is 71% of average in the upper Yakima River mainstem basin and 74% of average in the Naches River basin, which represents a modest decrease from early March.
- ✓ The next water supply forecast will be issued on May 3<sup>rd</sup>.

### ***Key Variables In Every Drought***

Several factors affect the operating plans:

- The storage control and prorationing dates (often the same date but not always);
- Water supply forecasts will change monthly until August and can improve or worsen;
- Precipitation for the remainder of the season;
- The amount of supplemental water available through purchases/leases;
- Prioritization of either days in the season or amount of water delivered to farms during the June 15<sup>th</sup> to August 15<sup>th</sup> peak period;
- The amount of water made available through a mid-season shut down (if pursued);
- Canal efficiency levels will fluctuate (higher inefficiencies as flows in canal drop);
- Weather variability in June can greatly impact demand in June and affect management of the available water supply after June;
- Weather events during the drought (heat dome, rain, cold front, etc.);
- Crops are often 10 days +/- early or late & sometimes more;
- The amount of moisture in the ground at the start of the irrigation season.

### ***Drought Protocols & Priorities***

In 2016 the District undertook a detailed review of its operating protocols following the 2015 drought. Those proposals were updated in late 2018 and again in January 2023 to account for additional system efficiencies, crop mix changes, and increased on-farm efficiencies.

If grower losses increase with each day the season ends early in September, there is little advantage to not using 100% of the available water budget because any unused water will stay in the Total Water Supply Available (TWSA) pool for all water users in the Yakima River basin in the next water year, not just the Roza water users. Roza will receive 35.7% of carried over water, because the proratable entitlements which have a May 10, 1905 priority date are allotted as follows based on their proportionate share (by water right with that priority date):

- 35.7% Roza Irrigation District
- 32.9% Wapato Irrigation Project
- 31.8% Kittitas Reclamation Project (totals more than 100%)

50,000+ acres, which is 70%+ of the District, are currently planted in crops which require late season water, such as tree fruits, hops, grapes, blueberries and triticale.

Implementing shutdown(s), pump backs, leases and delivery restrictions as listed in the matrix below in order to fulfil the following priorities:

- Priority 1 is to run the season to September 30 if possible
- Priority 2 is to run the season to September 15 if possible
- Priority 3 is to run the season to September 5 if possible



## Roza Drought Response Measures Matrix

Water Supply	Delivery Restrictions*	Shut Down(s)	Roza Pump backs	Leases	End season before Sept. 30	Notes
80%	Yes	No	No	No	No	Oct 20 +/- is typ. in full yrs. Restrictions on some days
75%	Yes	No	Yes	No	Possibly	Season ends early
70%	Yes	No	Yes	Possibly	Possibly	Season ends early Leases optional-varies
65%	Yes	No	Yes	Possibly	varies	Leases optional-varies
60%	Yes	Possibly	Yes	Possibly	varies	Leases optional-varies
55%	Yes	Probably	Yes	Yes	varies	7,000 AF from leases & PB
50%	Yes	Yes (15+ days)	Yes	Yes	varies	7,000 AF from leases & PB
45%*	Yes	Yes -2	Yes	Yes	Oct 2*	7,000 AF from leases & PB
40%*	Yes	Yes -2	Yes	Yes	Sept 27*	7,000 AF from leases & PB
35%*	Yes	Yes -2	Yes	Yes	Sept 19*	7,000 AF from leases & PB
30%*	Yes	Yes -2	Yes	Yes	Sept 3*	See note #2
25%	Yes	Yes -2	Yes	Yes	August 11*	See note #2
20%	Yes	Yes -2	Yes	Yes	August	See note #2
15%	Yes	Yes -2	Yes	Yes	August	See note #2
10%	Yes	Yes -2	Yes	Yes	Yes	See note #2
5%	Yes	Yes -2	Yes	Yes	Yes	See note #2

### Planning Assumptions:

1. The proration date in 40% supply scenarios and below is assumed to April 1<sup>st</sup>. The storage control date greatly influences the measures above.
2. The water budgets for the scenarios above include 8,900 AF in leases (which differs from the table above), 2,000 AF of Roza pump backs (PB).
3. Losses have been 32% +/- of diversions during the 2001, 2005 & 2015 droughts. Losses are the sum of evaporation, seepage, and operational spills. Losses are 32% should be somewhat less with the Wasteway 5 re-reg reservoir coming online in late 2017.

**60% & 55% Supply Operating Plan Options & Baseline Assumptions**

The 60% Operating plans have been prepared both with and without a mid-season shutdown.

Experience has shown that operating at a fixed delivery rate and adjusting the canal to meet that rate has resulted in much better water management in prior droughts, instead of keeping the canals at a set level and adjusting deliveries.

The Watermaster will operate the Main Canal to eliminate operational spills if at all possible. Operations spills totaled about 1,589 AF in 2001 and 3,143 in 2005. The Wasteway 5 Re-regulation reservoir which came online in 2017 should help to eliminate most operational spills.

Roza typically uses around 80% of its 375,000-acre foot water right each year, not including 18,000-acre feet of senior March water. KR D is now using 57% supply as the baseline in case the forecast drops again.

Supply	Shutdown	Estimated Proration Date	Delivery Info	Projected Season End Date
60%	No	May 15	3.6 gpm/ac (Late May) 4.0 gpm/ac (June 1 to June 15) 4.3 gpm/ac (June 16 to June 30) 4.7 gpm/ac (July 1 to July 15) 5.1 gpm/ac (July 16 to July 31) 4.7 gpm (Aug 1 to Aug 16) 4.3 gpm (Aug 16 to Aug 31) 4.0 gpm/ac (Sept 1 to Sept 30) 3.6 gpm/ac (Oct 1 to Oct 2)	Oct. 2
60%	Yes 10 days	May 15	4.3 gpm/ac (Late May to June 15) 4.7 gpm/ac (June 16 to July 15) 5.1 gpm/ac (July 16 to Aug 15) 4.7 gpm (Aug 16 to Aug 31) 4.0 gpm/ac (Sept 1 to Oct 5)	Oct. 5
55%	Yes 10 days	May 15	3.6 gpm/ac (Late May) 4.0 gpm/ac (June 1 to 15) 4.3 gpm/ac (June 15 to July 15) 5.1 gpm/ac (July 15 to July 30) 4.7 gpm (Aug 1 to Aug 15) 4.3 gpm/ac (Aug 16 to Aug 31) 4.0 gpm/ac (Sept 1 to 30)	Sept. 30

- All scenarios assume 8,900-acre feet of leased water will be added into the system, if more water were to be available from purchases/leases, days could be added to the season or peak season deliveries could be increased slightly. The water budget is built 6,500-acre feet from SMID and 2,400-acre feet from SVID. More water may be obtained

from SVID landowners (up to 5,000-acre feet total), but the process is on ongoing and staff's approach has been to avoid building a water budget that relied on water leases which may not occur.

- All scenarios assume that a grower cannot defer a portion of their allotment early in the season for use later in the season, due to tracking issues and inability to guarantee sufficient flows later in the season to make the deliveries if the District's supply is exhausted, which is why pooling with other growers can be important.
- All plans assume 2,000-acre feet of Roza drain pump back supplementation, which is added to the Roza water budget.
- May 15 is the proration date used for planning purposes. The date is not known yet and will not be until just prior to prorationing occurring. May 15 to June 1 is a reasonable date range. The earlier the date used for planning purposes the more flexibility the District will have to adapt if conditions deteriorate.
- The District also has a 50% supply plan which was prepared before the irrigation season.
- Losses due to evaporation and seepage are virtually the same whether the canal is operated at normal flows or reduced flows. The operating efficiency, when measured as a percentage, is reduced when the canal is operated at lower flows.
- The peak period is assumed to be 62 days from June 15<sup>th</sup> to August 15<sup>th</sup>. Water usage begins to drop around August 15<sup>th</sup> as harvest progresses and temperatures drop.
- Potential additional water supply in October is not included in the water budget. An October water allocation will not be known until mid-September and will be dependent on late season precipitation. The water year ends on September 30. Days can be added to the season if an October water allocation occurs.
- If the water supply forecast were to fall below 50% in the months ahead, which is possible, staff will work up a revised operating plan, which will likely mean fewer days running in September. The District gamed out several scenarios for supplies less than 50% in January 2023 which were reviewed in detail with the Board of Directors.
- The typical irrigation season is 203 days (April 1 to October 20). Season end dates are approximated.
- 1.8 gpm/ac/day is the very lowest the system can run and is far less than typical July & August drought year operations. 7.5 gpm is a typical peak.
- Delivery amounts from June on in 2015:
  - June 1-July 13                      1.8 gpm/ac (10 pts over an 18-inch weir) 400CFS +/-
  - July 14 to end                      3.0 gpm/ac (14 pts over an 18-inch weir) 620 CFS +/-

### ***Drought Management Authorizations***

When the forecast water supply is below 70%, the District Manager is authorized to implement measures to extend the irrigation season, including but not limited to:

1. Restricting deliveries;
2. Extending the pooling deadline beyond June 1<sup>st</sup> for transfers between Roza growers;
3. Activating the Roza pump backs;
4. Implementing a system shut down immediately if storage control occurs before May 15;
5. Advocating for issuance of emergency drought well permits.

### ***Mid-Season Shut Down Potential & Operational Issues***

During prior droughts Roza implemented mid-season shutdowns when the supply has been forecast to be below 60%. About 750-acre feet are estimated to go unused in order to drain and refill the canals to implement a midseason shut down.

The 2024 growing season for some crops is somewhat ( e.g. several days) ahead of schedule and is not as far ahead of schedule as was the case in 2015.

Staff recommends that, if a shutdown is required, that the District stop diverting water within two days of storage control/prorationing in order to allow for notice to growers to adjust their operations before water is shut off. Other related operational items of note:

- To the extent possible, gravity lines and pump tubes will be kept charged in order to speed up the restart process.
- Cofferdams in the Main Canal will not prevent water from draining out of the Main Canal via seepage.
- Pump 1 deliveries in east Selah will cease during any shutdown even if power is being generated by USBR in Terrace Heights.
- Permanent wooden check boards have been installed at Pump 5 and Pump 6 to raise the pools so that the pumps can operate at minimum flows.
- Roza can allow groundwater to be pumped into flow meter deliveries during a shutdown, with review by the Engineering department. The flow meter propeller will need to be removed by Roza crews.
- All field staff will switch to a 4-10 work schedule during the shutdown through the re-start.
- Weather patterns during a shutdown could change its duration. Unusually hot weather could require it to be shortened, while very wet and cool weather could allow it to be lengthened by a couple of days

Length of Shutdown	Net AF (after draining/filling)	Days added in Sept/Oct at minimum flows
8 days	5,650	7
10 days	7,250	9
12 days	8,850	11
14 days	10,450	13
16 days	12,050	15

Several members of the maintenance crew have experience as Ditchriders and can be used to expedite the re-start by charging lateral pipes, setting meters and setting weirs. The canal will be monitored on a round the clock basis and significant overtime will result during a re-start.

The Watermaster inspects the Main Canal prior to a re-start and monitors the concrete lined sections for heat caused heavy damage during the shutdown.

Staff has prepared an aggressive work list that could be undertaken if a shutdown becomes necessary. Most work will be oriented around the Main Canal, lateral clean out and mowing. A shut down provides a unique opportunity to get ahead of both mowing and spraying.

Terrace Heights Irrigation District water will be shut off if Roza implements a shutdown. The THID Board has been notified that a shutdown is possible if the water supply drops.

Mid-season shutdowns and early season curtailment occurred in prior drought years as follows:

Storage control	Year	Shut down began	Shut down ended	Days off	End of season date
April 15	2015	May 10	May 31	21	October 12
May 25	2005	April 6	April 29	23	October 1
June 6	2001	May 8	May 29	21	September 24
June 1	1994	May 16	June 6	23	September 8
June 13	1993	N/A	N/A	N/A	October 4
May 16	1992	N/A	N/A	N/A	September 16

If a shutdown is required, staff will maintain close coordination with USBR staff to try to avoid a shutdown coinciding with coming off of reservoir control and losing access to water during re-priming (which takes several days).

The District could save one Endothall treatment with a shutdown (\$120K +/-) if it occurs after May 20 +/- . The chemical has been purchased, but it could be used in 2025.

### ***Supplemental Water Update***

Roza has exercised the option to obtain 6,500-acre feet from Selah-Moxee Irrigation District at \$300/AF, which will add 8 days to the season at the lowest flows the canal system can be operated at.

Staff has met with SVID staff to work out the logistics of the leasing program. The SVID Board is approved the leasing program in March. Parcels less than three acres in SVID will not be eligible. SVID parcels not irrigated in 2023 will not be eligible. Much of the pasture land in the SVID which was available for lease in 2005 has been converted to crop cultivation and is not available.

Staff has also been in contact with other upstream irrigation districts and private landowners interested in leasing water. Most inquiries have involved very small quantities.

### ***Water Allotment Pooling***

By policy, the pooling deadline is June 1<sup>st</sup>. In prior drought years the Board has extended the pooling date. There are administrative impacts which will result, but they are comparatively minor. A one-page fact sheet on pooling has been emailed to water users and posted on the Districts' website to encourage pooling between farmers.

### ***Roza Drought Fund & State Drought Relief Funds***

The District had approximately \$4.1 million in the drought emergency fund in 2023 (without state funds). Expenditures have been approved as follows:

- \$1,950,000 SMID purchase for 2024 season
- \$1,500,000 SVID lease/purchases (up to 5,000 AF)
- \$ 330,000 Wasteway Re-regulation reservoir liner repairs
- \$ 300,000 Cloud seeding feasibility
- \$ 200,000 Drought year related operations expenses (Overtime, fuel, mobile pump expenses, electricity for pump backs, etc.).
- \$4,280,000 Total to date

Roza requested \$2,500,000 from the Legislature in January 2024. \$200,000 was appropriated.

Staff is working with another senior right holder on a lease/purchase of 950 AF at \$300/AF which would total \$285,000.

Staff has been in contact with the Department of Ecology and will be requesting roughly \$1M in emergency drought funds via reimbursement. The state has just under \$4M in the state drought account. State law limits the maximum award to 25% to any one entity. Prior droughts had a 50% state match. Federal funding sources are also being examined.

\$18M was appropriated in 2015 to the state drought fund for the 2015-16 biennium (\$9M per year).

The Wasteway 5 Re-regulation reservoir liner repairs were authorized from the District's drought fund in 2023 because the reservoir has proven to be an effective water management tool during drought years, even more so than initially expected. The reservoir allows operational spills to be captured and reused that would have otherwise run down Wasteway 5 to the Yakima River.

To date, the Board has expressed a desire to replenish the drought fund over a few years rather than in one year as occurred in 2016, and to potentially reprogram some other revenues.

### ***Emergency Drought Relief Groundwater Wells***

Historically, the District's position has been that groundwater wells are an issue between the affected land owners and Ecology. Growers with drought relief wells have stated to staff that they are a critically important drought management tool in very low water years and that the ability to turn them on is the single most important issue.

The groundwater usage must be mitigated under the terms of a 1999 administrative settlement between USBR, Ecology and the Yakama Nation. During prior drought years the State of Washington paid 100% the mitigation costs. Mitigation is not be required to be real time and potentially could occur after the irrigation season. Ecology staff has also stated to District staff that 75% of the mitigation costs will be required to be paid by the groundwater users.

Roza staff and Ecology staff have been meeting on this issue since June 2023. Ecology staff have stated that in 2024, Ecology will allow users to use drought wells up to 75% of their Roza water supply with the purchase of mitigation water. Ecology's planning assumption is that Roza will be able to provide 50% water supply in 2024. If the actual supply is less than 50%, Ecology will adjust their estimates.

110 emergency drought wells were permitted in the Yakima basin in 1994, (some were reissued in 2001 and 2005) and over 90% are within the Roza district. They total an estimated 11,000-to-12,000-acre feet of permitted water and were estimated by Ecology to pump approximately 7,700-acre feet in 2015. Wells dated to 1994 do not need to be mitigated further if the landowner previously paid mitigation fees to USBR according to Ecology staff.

### ***Roza Actions to Date***

- Low flow check boards were installed in the Main Canal in February at milepost 19.5 and 33.8 to raise the pools during low flows in anticipation of reduced diversions.
- The District's website is being updated daily, which has helped to get information out to water users quickly.

- Water user updates have been sent via email to nearly 800 water users after each water supply forecast have been issued.

### ***Wheeling Water via Roza's Main Canal***

Several growers inquired in 2015 about using the Roza's canal to wheel non-Roza water under a variety of scenarios. The District would need to retain a portion of the wheeled water to account for evaporation and seepage. 20% of the water wheeled was retained by the District in 1994, 2001 and 2005.

- **Well water put into the Main Canal for carriage to other delivery points along the Main Canal-** Some significant administrative tracking complications result.
- **Well water put into the Main Canal for carriage to other delivery points on pump laterals-** Carriage of water to pump laterals would also trigger the electrical pumping cost recovery issue in addition to increased administrative tracking complications.
- **SVID, or other surface water, into the Main Canal-**Doing so has not been permitted in the past, in part because the District cannot guarantee that flows in the Main Canal will be sufficient to carry the water to a point where it can be delivered. Also, the Roza Board did not want Roza growers to be in competition with the District to obtain water, which would cause increased costs for all water users.

Carriage of water to pump laterals would also trigger the electrical pumping cost recovery issue, and Roza would need to retain a portion to account for evaporation and seepage.

During the 2015 drought several growers requested approval for Roza to carry the users' SVID water with the grower assuming the risk of flows in the Main Canal not allowing for carriage to be effective (e.g. reduced diversion, mid-season shut down or an early end to the season). Doing so requires approval from the SVID Board and appoint of diversion change.

- **Drain water pumped back into the Main Canal by a Landowner for delivery to the Landowner's other downstream delivery points (AKA "Red Water")-** This was attempted in 1994, 2001 and 2005 and caused a significant administrative tracking burden, which while helpful to some individual growers, and may have not been a net positive to the District overall. Growers do not have a right to drain water without a permit from the District. For many decades the District has not issued permits for use of drain water, but has not denied use of drain water for appurtenant lands along drains. Exporting drain water could result in the denial of water to other current users downstream in the drain.



Using a USBR canal to transport non-USBR water could require a wheeling agreement to be executed between Roza and USBR which involves an administrative approval from the USBR Regional Director in Boise, and takes a few weeks to execute according to USBR staff. If desired, the Board could authorize the Manager to execute wheeling agreements in the event they become necessary.

### ***2015 Water Supply Forecasts***

- March 73% projected supply
- April 60% projected supply
- Late April 54% projected supply
- May 47% projected supply
- Late May 44% projected supply
- June to July 44% projected supply
- Mid-July 46% projected supply

### ***Grower Feedback during the 2015 Board Meetings***

- Wheel lines do not run on ten points per forty acres
- Hay grower(s) would like to shut off for a week and double up for the following week
- If a shutdown is necessary, as much advance notice is requested as is possible. The more the better.
- Hay grower(s) would like to take twice as much water for half as long in order to get one good cutting of hay.
- A water pooling match up list would be helpful for growers looking to pool.
- A federal emergency declaration should be pursued.
- Reclamation Reform Act extension for filing forms should be requested.
- Wheeling well water via Roza's canal would be helpful
- Saturday or Sunday water delivery would be helpful.
- Could a system be set up to notify the district of weekend water changes?
- Post the emergency drought relief well info on the Roza website as it becomes available
- If there is a shut down, when does it happen? Only shut the canal down if it is absolutely necessary, in order to not harm mint growers.
- Mint growers may grow less corn or different kinds of corn.

### **Overall Water Management/Growing Info**

- 1.8 gpm/ac/day in May can work in cool weather but not if the temperature is over 90s degrees or if it is windy.
- 10 days @3.3 gpm/ac = 16.5 days @ 1.8 gpm/ac.
- At about 35% supply growers will be focused on keeping their plants alive vs growing a crop for that year.
- \*In a 35% supply year April water will be forgone and move to extend the season to Sept 21.
- Shallow rooted drip irrigated plants (hops, blueberries, apples, trellised cherries) are less drought resilient.
- The crops below represent 83% of the District.

### **Grapes (15,000 +/- acres or 20% of the District)**

- The canopy on grape vineyards fills out by mid-June and the plants require more water

### **Tree Fruits (26,000 +/- acres or 36% of the District)**

- New high-density plantings are \$60K to \$70K per acre

### **Forage/dairy (9,500 acres or 13% of the District- w/ dairy footprints & all types of corn)**

- Nitrate management of dairy waste will not allow fallowing in some cases
- Below 35% supply corn for forage will not be grown in many cases

### **Hops (9,300 acres or 13% of the District)**

- No water in September is catastrophic for hops because they dry out.

### **Blueberries (1,600 acres or 2% of the District)**

- Cooling is crucial
- Bushes must be drip irrigated constantly
- In 90-degree weather blueberry bushes will die within 3 days of not having water
- New plantings are \$40K to \$50K per acre
- New plantings are 2-year-old bushes and a light crop can be harvested 3 to 4 years after planting. The bush does not mature and reach full production until the plant matures at age 8.

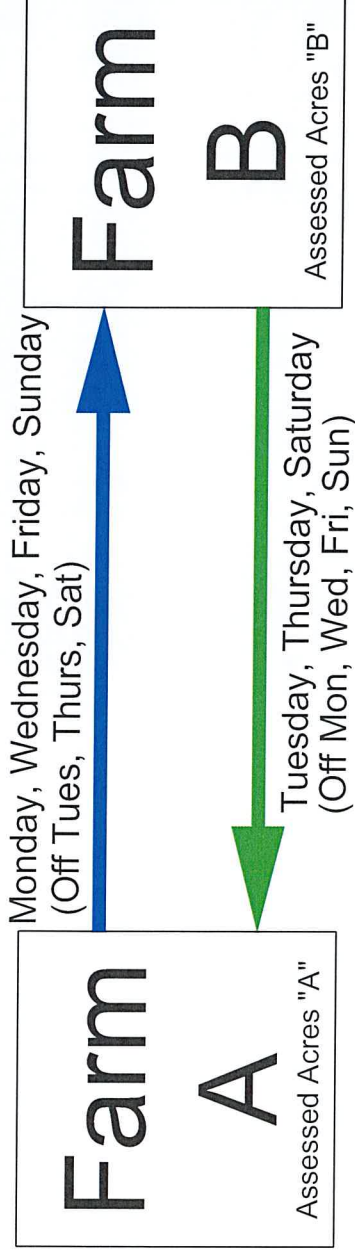
### Yakima Basin Drought Summary

Year	March supply forecast	Overall season water supply	Pro-ration start date	Storage control date	Roza season end date	Notes
1941	N/A	44%	N/A	June 8	Oct. 15	Roza first blocks came on line in May 1941. Pre-1945 consent decree & prior to TWSA. Diversion avg. 50 cfs.
1973	N/A	80%		May 1	Sept. 20	Very dry season with major rain in September which skewed the overall season upward
1977	6%	70%	April 1	April 1	Sept. 30	Initial forecast later raised to 15% to include return flow
1979	None	100%		April 20	<b>Aug. 29</b>	No March estimate. 46% in Aug. due to water stranded in Cle Elum due to gate malfunction
1992	100%	58%	May 16	May 16	<b>Sept. 16</b>	March is an estimate in '92-'94. April estimated at 86%
1993	48-60%	71%	June 1	June 13	Oct. 4	March is an estimate. April estimated at 52%
1994	58-68%	37%	May 1	June 1	<b>Sept. 8</b>	April estimated at 53%. <b>23 day shutdown</b>
2001	38%	37%	May 1	June 1	<b>Sept. 24</b>	29%-30% forecast supply in May and June. Transfers added 5%. <b>21 day shutdown</b>
2005	34%	42%	April 6	May 25	Oct. 1	34% through May. 38% in June. Transfers added 8%. <b>23 day shutdown</b>
2010	77%	100%	N/A	July 3	Oct. 19	Low of 71% in May. Very unusually supply recovery.
2015	73%	47%	April 15	April 15	Oct. 10	Full reservoirs and very little snow. Low of 44%. Transfers added 1.2%. <b>21 day shutdown.</b>
2019	90%	70%	June 3	June 7	Oct. 17	77% in April. Low of 68% in August
2023	86%	73%	June 1	June 1	Oct. 18	Low of 72%

- ✓ Storage control is the date at which control of the river changes from natural flow to releases of stored water from the reservoirs by USBR to fulfil their contract obligations. Storage control typically occurs in late June/early July in full supply years. Pre-1973 storage control dates were estimated by USBR using the modern methodology.
- ✓ Pro-rationing can occur before storage control when diversion demands affect the reservoirs (e.g. the reservoirs are filling but filling less than they would have with the incidental in-stream flow releases). When USBR declares pro-rationing the amounts of water in the district buckets for the year is set.
- ✓ Estimated supply during droughts in 1926 (42%), 1930 (73%) & 1931 (55%) on the estimated storage control date. Cle Elum reservoir & the Roza project were not yet built. Each predates the TWSA system established in the Consent Decree in 1945. Overall season supply is through September.



## Assessed Acres for A + Assessed Acres for B = AB Pool



- Pooling allows for higher flow rates during a drought year when Roza's water supply is prorated.
- During prorating, flow rates are calculated by the total amount of assessed acres in the pool.

### Example:

Farm "A" has 40 acres of assessed water and Farm "B" has 40 acres of water.

If the prorated delivery amount is set at 21 points per acre (5.5 Gpm/Acre), The maximum flow rate for each farm would be 0.49 CFS.

If Farm "A" and "B" Pool their acres for a total pool of 80 acres, The max flow rate would be 0.98 CFS

Doing so allows Farms "A" and "B" to alternate irrigation days, utilizing a higher flow rates than if they did not pool together.


- Pools can include several parcels or several farms.
- Pool members must designate one person as the individual who is authorized to order the water for that pool.
- Call or email the Roza office to authorize water orders for your pool per pool members agreed upon irrigation schedule.
- All parties must notify Roza staff of participation in pool.

# Item #5

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To: Board of Directors

From: Wayne Sonnichsen, Engineering Manager 

Date: April 9, 2024

Re: 2024/2025 Enclosed Conduit System (ECS) Materials Bid

**Attachments**

1. Roza Irrigation District Bid Proposals 2024-2025 ECS.

**Background**

RID advertised for 2024/2025 materials bids in the Yakima Herald and Tri-Cities Herald on March 16 and 23. Bids were received until 10:00 a.m., April 4, 2024, at which time they were opened and read aloud. The bid results are attached.

Five bidders turned in responsive bids as shown in the attachment. The lowest responsible bids were as follows:

- Section 1 – HD Fowler Company at \$77,619.60
- Section 2 – Core & Main, Inc. at \$37,340.75
- Section 3 – Valley Pipe Company at \$228,686.00
- Section 4 – Ferguson Waterworks at \$62,296.00
- Section 5 – HD Fowler Company at \$125,111.01

The engineer's estimate for all sections was \$877,050.20. The total of all sections of the lowest bids is 531,053.36.

Staff recommends award of the 2024/2025 ECS Materials Bid sections to the lowest responsible bidders noted above.

**Recommended Motion**

I move to approve award of the 2024/2025 ECS Materials Bid sections as follows:

- Section 1 – HD Fowler Company at \$77,619.60
- Section 2 – Core & Main, Inc. at \$37,340.75
- Section 3 – Valley Pipe Company at \$228,686.00
- Section 4 – Ferguson Waterworks at \$62,296.00
- Section 5 – HD Fowler Company at \$125,111.01

Roza Irrigation District  
 Bid Proposals  
 2024-2025 ECS

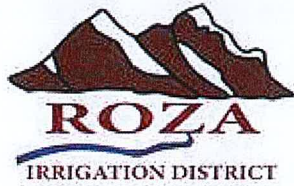
Company	Bid Bond	Signed Proposal	Addenda 1	Addenda 2	Section 1	Section 2	Section 3	Section 4	Section 5
Valley Pipe	Yes	Yes	Yes	Yes			\$228,686.00		
OVS	Yes	Yes	Yes	Yes	\$82,503.00		\$242,233.80		
Ferguson	Yes	Yes	Yes	Yes	\$77,898.90	\$37,527.99	\$241,191.80	\$62,296.00	\$136,308.85
Core & Main	Yes	Yes	Yes	Yes		\$37,340.75	\$238,442.80	\$75,631.19	\$137,142.44
HD Fowler	Yes	Yes	Yes	Yes	\$77,619.60	\$40,005.84	\$237,804.40	\$71,192.36	\$125,111.01
Engineers Estimate					\$124,400.00	\$40,400.00	\$380,720.00	\$115,861.00	\$215,669.20

Total Bid Cost                   \$531,053.36  
 Engineers Estimate               \$877,050.20

# Item #6

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To: Board of Directors  
From: Dave Rollinger, Watermaster *DR.*  
Date: April 9, 2024  
Re: Recent Past and Future Maintenance Work

### **Summary for March**

Most of March consisted of preparing the Main Canal and distribution system for water.

### **Water Delivery**

- The start of the water season was postponed 24 hours due to a bad 11 mile Main Canal sensor, (SonTek IQ Plus) the sensor monitors the Main Canal flows downstream of the 11 mile gates so we can compare our Main Canal water flows to the USBR flows.
- Trouble shooters have installed temporary wooden checks in the Main Canal at MP. 19.5 and MP. 33.8. The wood checks are installed during potential low flows to keep water levels up high enough to deliver water on the upstream Main Canal turnouts.

### **Staffing**

- Chase Hurst was hired on March 11, 2024 as a fulltime heavy equipment operator. Chase work for Sunnyside Valley Irrigation District for the last 18 years.
- Ali Briones was hired full time on March 19, 2024, Ali previously worked for Ag Pro Construction. He also worked for Rainwater as a water softener equipment installer.
- Jonathan Morris was hired as a 5 month temporary employee on March 29, 2024.

### **Distribution System Maintenance**

- Crews picked up a total of 3 truckloads of garbage from the Main Canal before priming, one load had 60 tires.
- Using a 314 excavator, crews finished cleaning all the open laterals and used the V-ditcher attachment to clean the smaller open laterals and drains.
- Trouble shooters were busy fixing manifold drains and leaky flowmeter valves that didn't make it through the winter.
- Crews replaced 2 farmer culverts one on Pump 13 West and one on Pump 13 East.
- Crews cut the steel bridge at MP 29.3 into manageable pieces and hauled them to Pacific Steel in Terrace Heights.

- Trouble shooters have fixed 6 air vents and 7 pipe leaks, mostly caused by farmers winter projects, farmers are responsible for the cost of the whole repair including parts, employees time, vehicle and equipment costs.
- At the request of a landowner, trouble shooters removed a pump shed that was built over our MP 17.5 lining drain exit. A cover was fabricated and installed over the manhole.
- Crews finished the Pump 10 pumpstation upgrades (installed a new control cabinet and SCADA) and fully enclosed the pipeline.
- Trouble shooters cut open the liner at the Waste Way 5 re regulation reservoir and filled in the voids with sand as a temporary fix. The reservoir is fully operational for the 2024 water season.
- Roza crews finished the Main Canal cleanout from MP 94.8 upstream to MP 82.0.
- Trouble shooters pump down siphon 8 using the Godwin pump and replaced the drain valve on the siphon.
- Crews continue to grade and gravel maintenance roads, gravel around delivery pads and install bollard post on the Pump 14 ECS project.

### **Weed Control**

- The spray crew started spraying the Main Canal and laterals with Weeder 64 to help control broad leaf vegetation.

### **Projected for April**

- Continue spraying Main Canal roads and laterals.
- Continue grading and graveling P14 ECS roads until finished.
- Clean drains that farmers have requested us to clean.
- Continue backfilling and compacting around the Main Canal undershot extensions.
- Start mowing the Main Canal and laterals.
- Start replacing the siding on storage sheds in the Sunnyside yard.

# Item #8

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To: Roza Board Members

From: Sage Park, Policy Director

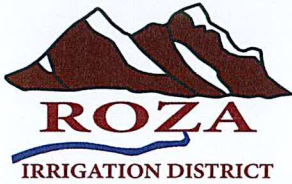
Date: April 9, 2024

RE: Policy Director Report

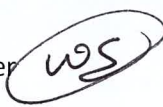
- Emergency Drought Authorization Application and processing support for SMID Mitigation
- Water rights management, 2024 water supply and flushing flows, power subordination, interim operating guidelines and smolt out migration issues
- Equal Employment Opportunity Plan Research with Wayne for the \$500,000 grant from Yakima County
- New Suncadia Water Bank

# Item #9

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**To:** Board of Directors

**From:** Wayne Sonnichsen, Engineering Manager 

**Date:** April 9, 2024

**Re:** Engineering Manager's Report

**Miscellaneous items of note:**

- The Union Gap Irrigation District had a canal break right after startup and spilled about 5 cfs down Wasteway 3 for about 8 hours. The water level at the end of the Wasteway rose to a level that the overflow pipe WSDOT put in for the temporary freeway repair was utilized to pass some of the water to the river. WSDOT was notified of the situation.
- The District advertised a request for qualifications for engineering services related to the Wasteway 6 Reregulation Reservoir enlargement and Main Canal piping. Statements of Qualifications (SOQ) were due March 22<sup>nd</sup>.

Three firms submitted Statements of Qualifications. Staff is planning conduct interviews with prospective firms in April and May with the expectation of having selected a firm to recommend to the Board at the June 11<sup>th</sup> Board meeting.

- The contractor that is filling the area upstream of the WW5 Reservoir north embankment has finished the dirt work. The chain-link fence will be replaced sometime this week.
- Engineering Tech, Steve Hayman has been working on upgrades to the SCADA software to incorporate real time data from the new dye detectors installed in the Main Canal.

He has also been working with TruePoint to get things working properly for the new Ditchrider tablets. The tablets were supposed to have arrived Thursday, March 28<sup>th</sup>. However, they weren't sent to UPS for shipping until the following day were sent by ground rather than air. Expected arrival is Friday, April 5<sup>th</sup>.

- Engineering Tech, Lazaro Lopez has been working on updating and making sets of District maps. The number of paper map sets needing to be constructed each year has greatly decreased as ditchriders and supervisors have generally migrated to using the electronic online version.