

Pojoaque Valley Irrigation District 9 Cities of Gold Road Santa Fe, New Mexico 87506 (505) 455-2693 Email: kathym@pvidnm.org "Water is Life"



Pojoaque Valley Irrigation District (PVID) March 28, 2024 Irrigators Meeting 6:00PM to 8:30PM VIA ZOOM

Agenda

1. Welcome

- 2. 2023 Irrigation Season Recap
 - a. 2023 Water Delivery Report
 - b. BOR Update Carolyn Donnally, PE ABQ Area Water Operations Manager:
 - i. 2023 Runoff Recap
 - ii. 2024 Runoff Expectations
 - iii. 2023 Area Capacity Table and changes to storage
 - c. OSE Update
 - i. Introduction of new staff members
 - ii. Metering Update
- 3. PVID 2023 Irrigation Survey Results
- 4. PVID 2024 Proposed Irrigation Schedule
- 5. Questions

14 Day Rotation

Pojoaque \	/alley Irrigation District	WITH TBI INFORM	ATION							
2023 Provi	2023 Provisional Water Diversion Analysis Recap					OSE Provisional	Adusted	Percent		
		Acreage	Percent	Percent			PDR	Delivered	Delivered	Of OSE
		From	Total	Non-P	Reported	Reported	4.65	Diversion	Diversion	Water
OSE SD	Acequia	NMWRRS	Acreage	Acreage	Acreage	Percentage	AF per Acre	AF	AF	Right
	Nambe Combined	151.320	6.95%			0.00%	703.638		948.09	135%
	Pojoaque Combined	9.000	0.41%			0.00%	41.850		28.00	67%
	San Ildefonso Combined (Note 2)	70.000	3.21%			0.00%	325.500	290.48	290.48	89%
SD-00107	High Line							747.93		
	Upper Consolidated							1177.13		
	Lower Consolidated							951.77		
SD-00212	Nueva	167.740	7.70%	8.61%	180.800	107.79%	840.720	335.44	335.44	40%
SD-00889	Acequia Del Llano	97.341	4.47%	5.00%	108.700	111.67%	505.455	194.71	194.71	39%
SD-00886	Acequia de la Comunidad	215.885	9.91%	11.09%	190.100	88.06%	883.965	446.82	446.82	51%
SD-00885	Ortiz (Note 3)	144.370	6.63%	7.41%	149.900	103.83%	697.035	357.56	357.56	51%
SD-00897	Gardunos (incl Bernardino)	21.047	0.97%	1.08%	19.407	92.21%	90.243	73.31	73.31	81%
SD-00894	Jose G. Ortiz (incl Juan Sena)	20.160	0.93%	1.04%	20.960	103.97%	97.464	38.05	38.05	39%
SD-00907	Cano	187.650	8.62%	9.64%	187.650	100.00%	872.573	361.35	361.35	41%
SD-00893	Rincon Ditch (Excluding Pojoaque Pueblo)	112.461	5.16%	5.77%	105.010	93.37%	488.297	352.00	324.00	66%
SD-01647	Acequia de las Joyas (incl Ancon)	211.519	9.71%	10.86%	193.340	91.41%	899.031	623.00	623.00	69%
SD-02442	Acequia de los Trujillos	74.071	3.40%	3.80%	75.780	102.31%	352.377	101.19	101.19	29%
SD-02091	Acequia Barranco Alto	72.613	3.33%	3.73%	64.727	89.14%	300.981	228.72	228.72	76%
SD-01682	Acequia Larga de Jacona	134.512	6.18%	6.91%	70.049	52.08%	325.728	170.59	170.59	52%
SD-01682	Acequia Ancon de Jacona	24.918	1.14%	1.28%	24.918	100.00%	115.869	41.85	41.85	36%
	Barranco	101.250	4.65%	5.20%	101.250	100.00%	470.813	367.06	367.06	78%
	Acequia de la Otra Vanda	197.424	9.07%	10.14%	200.900	101.76%	934.185	498.17	498.17	53%
	El Rancho Ditch	69.760	3.20%	3.58%	69.760	100.00%	324.384	135.00	135.00	42%
	Acequia de Las Indios	85.640	3.93%	4.40%	67.120	78.37%	312.108	208.60	208.60	67%
SD-00105	Acequia del Medio	9.120	0.42%	0.47%	9.120	100.00%	42.408			
	Totals	2,177.801	100.00%			0.00%	10126.775		5771.99	57%
Note 1	Acequia did not submit TBI Info	2,177.801	100.00%			0.00%	10120.775		5771.99	57%

PVID 2023 Irrigaton Season Survey Results											
Survey Questions:		Joyas	Rancho	Cano	Garduno	Indios	JG Ortiz	Otra Vanda	Rincon		
Communications:											
Meetings dates and agendas:	Y	Y	Y	Y	Y	Y	Ν	Y	Y		
Rotation schedules:	Y	Y	Y	Y	Y	Y	Ν	Y	Y		
Availability of additional water day requests:	Y	Y	Y	Y	Y	Y	Ν	Y	Y		
Pauses in deliveries due to water availability:	Y	Y	Y	Y	Y		Y	Y	Y		
Overall Communication Satisfaction (1-Low, 5-High):	5	5	5	5	5	5	1	5	5		
arly Season Water Availability:											
Was you acequia aware that they could schedule additional days of water?	Y	Y	Y	Y	Y	Y	Y	Y	Y		
Did your acequia schedule additional days?	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y		
Did you try to schedule additional days but received no response or were told there was no additional water available?	N	N	N	1	Y	N	Y	N	N		
Are you in favor of R/Y/G plan?	Y	Y	Y	Y	Y	Y		Y	Y		
Schedule Efficiency and Acceptability:											
Did your acequia participate in all scheduled diversions last year?	Y	Y	Y	Y	Y	Y	Y	N	Y		
Was your acequia able to supply water to all irrigators in a single rotation?	Y	Ν	Y	Ν	Ν	Ν	Ν	Y	Ν		
If not, estimate the percentage of total acreage watered per rotation:		?		85	40	75	20		25		
What was the diversion rate scheduled for your acequia last year?	2.50	3.50	1.50	3.50	1.00	2.00	2.00	3.50	3.00		
What would be the optimum diversion rate for your acequia?	2.50	4.00	1.50	3.50	2.00	2.00	1.75	3.50	4.00		
If you could be scheduled different diversion rates for a portion of your rotation to accommodate large, flooded fields versus smaller gardens, would that be of benefit to your acequia?	N	N	N	Y	Y	Y	Y	N	Y		
Scheduled Rotations During Stored Water Releases:											
Was there enough water in the river to provide your scheduled diversion and duration during the storage release between June 29 and August 4?	Y	Y	Y	Y	N	N	N	Y	Y		
Are there any interactions with PVID staff last year that remained unresolved in PVID's interaction with your acequia?	N	N	N	N	N		Y	N	N		

Comments:								
Communications:	Nothing. PVID is doing a wonderful job.							
	Request more rain from above.							
	We think it would help to elaaborate a bit on diffent decisions made with regard to the river flow in the spring and changes in releases. The reason to have a schedule even with extra water available, etc. This might reduce complaints?							
R/G/Y/ Comments:	We defer to your good judgement. It sounds like a great idea. We are supportive if it's something you feel would be helpful							
	May save a lot of unneccisary communications							
	Would like to see a formal plan before deciding							
	We think this sounds good but will need cclear instructions for the folks that want to stay on the green days even when they are over							
Changes to Schedule:								
What changes to last year's operation should we implement this year?	PVID should define the amount of stored water avaiable in the reservoir for irrigation purposes							
	Perhaps consider a mediun more constant flowrate? 3 CFS consistantly wher there is avaiability? This would make it more consistant and fair to our parciantes as we run our own 24/7 schedule.							
	You have made many improvements, including keeping the river bottom wet. Something to work towards is to make all of the received percentage of OSE right consistant and all 100%. Probably preaching to the choir.							
	Would be beneficial for larger fields to run 4.5 cfs (max) then throttle back to 3.5							
	Flooding will change the schedule							
	More days of watering							
	If flooding happens, hold dam water back if possible until diversions repaired							
	I still not clear how water is distributed							
	Offer gardners a trickle constantly?							
	Later season water is helpful with hotter temps. Variable start times would help us rotate the parciante times.							
Any other comments?	We run our own 24/7 schedule which relies on having spring water. We don't know if it is feasible or not, but for our purposes, a consistant flow would enhance our operations. i.e. perhaps 3 cfs continuously as opposed to jumping from release quantities of 3.5 cfs to spring water of 1.5 cfs. We would also like to improve/increase our percentage of OSE adjudicated quantity, currently at 72\$. Perhaos a system to notify us of river flooding.							
	We would encourage more interation with the pueblo on the fish stocking rate and timing of it all to avoid problems like last year. Hopefully, dredging the dam will happen and increase the water holding capacity to accommodate more storage for later season use?							
	The constant small flow in the river worked vary well for us in the lower ditch area. We were able predict the flow better and the dirt berm was less impacted by smaller flows. We noticed a difference in the wildlife numbers an MUCH less debris in our ditch causing major flooding issues in the past.							

2024 Proposed Diversion Schedule														
Cycle	: 1													
Cycle Da	/: 1	2	3	4	5	6	7	8	9	10	11	12	13	14
Day	/: Sa	Su	Мо	Tu	We	Th	Fr	Sa	Su	Мо	Tu	We	Th	Fr
Date	3/30	3/31	4/1	4/2	4/3	4/4	4/5	4/6	4/7	4/8	4/9	4/10	4/11	4/12
Nambe - Highline	4.00	4.00	4.00	4.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Nambe - Consolidated						3	3	3	2.5					
Pojoaque - Rincon								1.5						
San Ildefonso Combined	4	4	4	2										
Nueva										2.5	2.5	2.5	2.5	2.5
Acequia Del Llano										1.5	1.5	1.5	1.5	1.5
Acequia de la Comunidad										3.25	3.25	3.25	3.25	3.25
Ortiz											2.75	2.75	2.75	2.75
Gardunos (incl Bernardino)	1	1												
Jose G. Ortiz (incl Juan Sena)			1	1										
Cano					3	3	3	3	3					
Rincon Ditch (Excluding Pojoaque Pueblo)					3	3	3	1.5						
Acequia de las Joyas (incl Ancon)									3.5	3.5	3.5	3.5		
Acequia de los Trujillos												2	2	2
Acequia Barranco Alto									2	2	2			
Acequia Larga de Jacona	2.5	2.5	2.5	2.5										
Acequia Ancon de Jacona					0.75	0.75	0.75							
Barranco	2	2	2	2										
Acequia de la Otra Vanda					3	3	3	3	3					
El Rancho Ditch	1.5	1.5	1.5	1.5										
Acequia de Las Indios					2	2	2	2						
Acequia del Medio				2										
Scheduled Diversion Demand CF	5: 15.00	15.00	15.00	15.00	14.75	16.75	16.75	16.00	16.00	14.75	17.50	17.50	14.00	14.00
Scheduled Dam Release CF	5: 15.50	15.50	15.50	15.50	15.50	19.00	19.00	19.00	18.00	18.00	18.00	18.00	15.50	15.50

Pojoaque \	/alley Irrigation District												
Water Diversion Analysis		2023	2024				TBI Informatio	n			Scheduled	Percent	Total
2023		Irrigable Acres	Irrigable Acres	Percent	Percent			PDR			Delivered	Of OSE	Season
		From	From	Total	Non-P	Reported	Reported	4.65	Diversion	Diversion	Diversion	Water	Irrigation
OSE SD	Acequia	NMWRRS	NMWRRS	Acreage	Acreage	Acreage	Percentage	AF per Acre	CFS	Days	AF	Right	Days
	Nambe - Highline	151.320	151.320	6.95%			0.00%	815.000	Varies	14.00	814.21	100%	5 181.0
	Nambe - Consolidated	151.520	151.520	0.5570			0.0070	270.000	Varies	4.00	268.76	100%	
	Pojoague - Rincon	9.000	9.000	0.41%			0.00%	41.850	1.00	1.00	44.63	107%	
	San Ildefonso Combined	70.000	70.000	3.22%			0.00%	325.500	4.00	3.50	416.53	128%	
SD-00212		167.740	167.740	7.71%	8.62%		0.00%	779.991	2.50	5.00	371.90	48%	
	Aceguia Del Llano	97.341	97.616		5.02%		0.00%	453.914	1.50	5.00	223.14	49%	
	Aceguia de la Comunidad	215.885	215.765	9.91%	11.09%		0.00%	1003.307	3.25	5.00	483.47	48%	
	Ortiz	144.370	144.170	6.62%	7.41%		0.00%	670.391	2.75	4.00	327.27	49%	
SD-00897	Gardunos (incl Bernardino)	21.047	21.044	0.97%	1.08%		0.00%	97.855	1.00	2.00	59.50	61%	
SD-00894	Jose G. Ortiz (incl Juan Sena)	20.160	20.002	0.92%	1.03%		0.00%	93.009	1.00	2.00	59.50	64%	30.0
	Cano	187.650	189.050	8.69%	9.71%		0.00%	879.083	3.00	5.00	446.28	51%	5.0
SD-00893	Rincon Ditch (Excluding Pojoaque Pueblo)	112.461	112.461	5.17%	5.78%		0.00%	522.944	3.00	3.50	312.40	60%	60.0
SD-01647	Aceguia de las Joyas (incl Ancon)	211.519	204.849	9.41%	10.52%		0.00%	952.548	3.50	4.00	416.53	44%	60.0
SD-02442	Acequia de los Trujillos	74.071	74.071	3.40%	3.81%		0.00%	344.430	2.00	3.00	178.51	52%	45.0
SD-02091	Acequia Barranco Alto	72.613	72.283	3.32%	3.71%		0.00%	336.116	2.00	3.00	178.51	53%	45.0
SD-01682	Acequia Larga de Jacona	134.512	133.092	6.11%	6.84%		0.00%	618.878	2.50	4.00	297.52	48%	60.0
SD-01682	Acequia Ancon de Jacona	24.918	24.918	1.14%	1.28%		0.00%	115.869	0.75	3.00	66.94	58%	۶ 45.0
SD-00467	Barranco	101.250	100.915	4.64%	5.18%		0.00%	469.255	2.00	4.00	238.02	51%	60.0
SD-02113	Acequia de la Otra Vanda	197.424	195.749	8.99%	10.06%		0.00%	910.233	3.00	5.00	446.28	49%	5.0
SD-02049	El Rancho Ditch	69.760	69.760	3.20%	3.58%		0.00%	324.384	1.50	4.00	178.51	55%	60.0
SD-00105	Acequia de Las Indios	85.640	85.270	3.92%	4.38%		0.00%	396.506	2.00	4.00	238.02	60%	60.0
SD-00105	Acequia del Medio	9.120	17.580	0.81%	0.90%		0.00%	81.747	4.00	0.50	59.50	73%	5 15.0
	Totals:	2177.80	2176.66	1.00			0.00	10502.81			6125.95	58%	,
	Total Pueblo Acreage:	230.320	230.320	10.58%									
	Total Non Pueblo Acreage:	1,947.481	1,946.335										+