

**MINUTES OF MEETING OF JOINT COMMITTEE  
OF THE OWYHEE PROJECT**

April 18, 2017

A meeting of the Joint Committee of the Owyhee Project was held at the offices of Stunz, Fonda, Kiyuna & Horton, LLP, 106 Main Street, Nyssa, Oregon, on April 18, 2017, at 7:00 p.m. Eric White, Chairman, presiding.

The following members of the Joint Committee were present:

Frank Ausman	Jerry Nagaki
Dan Tschida	Chris Landa
Eric White	Brett Nielson

Also present were: Jay Chamberlin, Manager of the Hydro Projects; John Eells, South Board Manager; Michael W. Horton, Secretary; Harvey Manser, OID Assistant Manager; Linda Henderson, OID Patron; Darla Sebasto, OID Patron; and Bruce Corn (OID Alternate).

MEETING NOTICE. The meeting agenda showed that public notice of the meeting was given on April 11, 2017.

MINUTES. The minutes of the meetings of the Joint Committee held on March 7, 10, 14, 17, and 21, 2017, were mailed to the Committee members prior to the meeting. A motion was made by Mr. Nielson, seconded by Mr. Tschida, and unanimously carried approving the minutes.

TUNNEL #1 POWER PROJECT.

Tunnel #1 Financial Report. Jay Chamberlin handed out a financial report for the Tunnel #1 Power Plant. He said the Tunnel Power Plant is making 2.3 megawatts. John Eells said that there is 528 cfs running through the tunnel today. Mr. Nielson asked about funds in the LGIP Account and whether they could be invested in other sources and he was told that they have to remain with LGIP.

Tunnel #1 Power Project Accounts Payable. The Committee members reviewed the accounts payable listed on the agenda for the Tunnel #1 Power Project. Mr. Tschida asked about the Riverside bill which Jay Chamberlin explained. A motion was made by Mr. Ausman, seconded by Mr. Nagaki, and unanimously carried approving payment of the accounts payable as follows:

Oregon Idaho Utilities	\$111.86
Riverside	12,072.11
California Electrical	5,123.63
Nichols Accounting	<u>335.00</u>
TOTAL	\$17,642.60

OWYHEE DAM POWER PROJECT.

Owyhee Dam Financial Report. Jay Chamberlin handed out a financial report for the Owyhee Dam Power Plant. The report was reviewed by the Committee members.

Owyhee Dam Accounts Payable. The Committee members reviewed the accounts payable listed on the agenda for the Owyhee Dam Power Project. A motion was made by Mr. Tschida, seconded by Mr. Nielson, and unanimously carried approving payment of following accounts:

Stunz, Fonda, Kiyuna & Horton, LLP	\$2,597.25
Oregon Idaho Utilities	295.13
Nichols Accounting	<u>335.00</u>
TOTAL	\$3,252.38

HYDRO REPORT. Mr. Chamberlin reported on the operation of the hydro plants. He said that the Tunnel Plant turn-on has been a struggle with the low flows going through the machine. He explained a problem with the crappie filter on the cooling pumps and actions taken to correct it. He said the plan is to do a filter modification next year. The matter was discussed. Mr. Chamberlin explained a computer problem the plant had. He said the Dam Power Plant is maxed out at 5.3 megawatts and is running well. He explained that Owyhee Irrigation District has a new employee with hydro experience who is helping out quite a bit with the hydros.

BOAT RAMP. Mr. Chamberlin gave an update on the boat ramp at the reservoir. He said the repairs had been made. He explained that after meeting with county representatives, he inquired with USBR about entering into a partnership on the boat ramp. He said that USBR responded by giving him a written proposal which he just received prior to the meeting. He handed out the proposal which the Committee members reviewed. They expressed their dissatisfaction with the proposal. Mr. Chamberlin said he will continue talks with the Bureau. He said that in the meantime, the county sheriff can launch at the ramp since they have a key. Mr. Horton explained potential liability issues should the Joint Committee take on the responsibility of managing the ramp.

TUNNEL POWER PLANT POWER RATES AND BOND NEGOTIATION. Mr. Horton gave an update on the Idaho Power rates for 2017. He said they have had discussions with Idaho Power about the rates and when those change under the contract with the ending of the period of amortization on the bond. He said that Idaho Power is doing some more investigation on those rates and that he is hoping to get an answer from them soon. Mr. Horton said that once the new rates kick in, it looks like it will be around 3.3¢ per mil.

Mr. Horton updated the committee on negotiations with SELP. He said that right now they are looking at reducing the interest rate to five percent and providing for a 20-year amortization. The Committee members expressed their desire that the system of reserves continue. Mr. Horton said a decision will need to be made about paying off the line bond now versus rolling it into the 20-year amortization. He said that Tyler Sweet was asked to do some forecasting of this and that Mr. Sweet asked to be able to provide information at May's meeting.

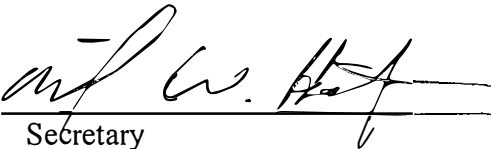
WATER FORECAST AND WATER RELEASES. Mr. Chamberlin handed out a snow pack report as of today which shows the snow pack at 102% of normal. He said there is still a lot of snow depth in Nevada. He handed out an NRCS April through July Stream Flow Forecast and a USBR Stream Flow Forecast. The NRCS forecast gives a 90% chance of stream flow from April through July of 360,000 acre feet and the USBR forecast estimates inflows from April through June of 332,000 acre feet. Mr. Chamberlin said that all the snow is at higher elevations as the low and middle snow has melted out. He said the inflows most likely won't come all at once. He made a recommendation to ramp up the filling of the reservoir and top it off. He explained the ring gate operation and answered a question with regard to dead cows trapped from the snow ending up in the reservoir. The Committee members discussed filling the reservoir and noted there is additional capacity above the 715,000 acre feet fill mark. Mr. Chamberlin said that in the past, the reservoir has gotten higher than 715,000 acre feet. After discussion, a motion was made by Mr. Tschida, seconded by Mr. Nagaki, and unanimously carried authorizing management to fill the reservoir to 715,000 acre feet and to manage releases to keep storage at around that 715,000 acre feet level.

OWYHEE FIELD DAY. Mr. Chamberlin said that the Owyhee Field Day will not be at the Dam Compound this year because of the high water. He said it will be held up at Indian Creek and they expect about 600 5<sup>th</sup> graders. He said the dates of that will be April 26 and 27.

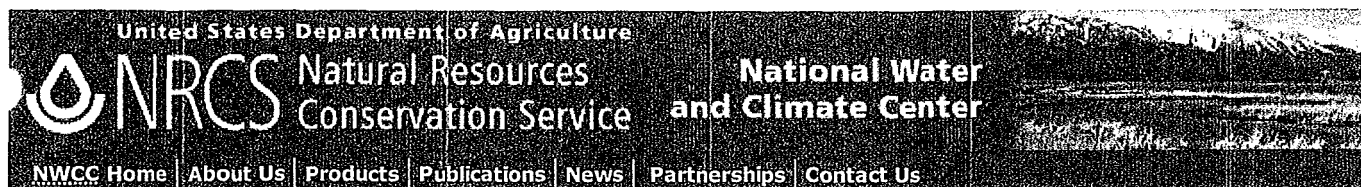
OREGON WATER RESOURCE CONGRESS LOBBY DAY. Mr. Chamberlin said that Oregon Water Resource Congress has scheduled a lobby day in Salem to meet with senators and representatives about water legislation on May 4.

ADJOURNMENT. There being no further business, the meeting was adjourned at 8:20 p.m.

Respectfully submitted,

  
Secretary

APPROVED: \_\_\_\_\_



## Oregon SNOTEL Snow/Precipitation Update Report

Based on Mountain Data from NRCS SNOTEL Sites

\*\*Provisional data, subject to revision\*\*

Data based on the first reading of the day (typically 00:00) for Tuesday, April 18, 2017

Basin Site Name	Elev (ft)	Snow Water Equivalent			Water Year-to-Date Precipitation		
		Current (in)	Median (in)	Pct of Median	Current (in)	Average (in)	Pct of Average
<b>OWYHEE</b>							
Jack Creek Upper	7377	16.1	16.1	100	27.5	20.6	133
Fawn Creek	7031	17.3	14.7	118	30.5	23.7	129
Big Bend	6898	4.3	1.1	391	17.8	11.3	158
Laurel Draw	6682	1.8	2.5	72	27.1	19.2	141
South Mtn.	6500	8.2	12.7	65	32.1	25.4	126
Taylor Canyon	6325	0.1	0.0	*	15.0	8.7	172
Mud Flat	5730	0.0	0.0	*	14.3	11.8	121
Reynolds Creek	5600	0.1	0.0 <sub>R</sub>	*	18.4	14.4 <sub>R</sub>	128
<b>Basin Index (%)</b>				<b>102</b>			<b>135</b>
<b>MALHEUR</b>							
Blue Mountain Spring	5870	12.8	11.3	113	35.5	26.0	137
Rock Springs	5290	0.0	0.0	*	17.6	12.8	138
Lake Creek R.S.	5240	0.1	0.5	20*	23.4	19.2	122
<b>Basin Index (%)</b>				<b>109*</b>			<b>132</b>
<b>GRANDE RONDE, POWDER, BURNT, IMNAHA</b>							
Mt. Howard	7910	23.9	17.0	141	44.1	29.5	149
Aneroid Lake #2	7400	30.6	24.5	125	50.3	31.8	158
Bourne	5850	14.4	10.8	133	33.5	24.1	139
Moss Springs	5760	23.5	21.1	111	41.3	36.3	114
Taylor Green	5740	15.5	16.4	95	32.8	28.0	117
Spruce Springs	5700	9.4	11.1 <sub>C</sub>	85	36.7	27.6 <sub>C</sub>	133
Wolf Creek	5630	13.9	13.1	106	25.6	20.7	124
Milk Shakes	5580	-M	N/A	*	-M	N/A	*
Touchet	5530	35.2	25.6	138	59.8	44.8	133
Eilertson Meadows	5510	5.0	2.0	250	35.6	20.7	172
Gold Center	5410	7.8	0.0	*	29.3	18.5	158
Schneider Meadows	5400	32.0	22.3	143	50.0	38.4	130
Beaver Reservoir	5150	2.3	4.2	55	24.5	20.4	120
Tipton	5150	11.7	8.7	134	24.8	18.2	136
High Ridge	4920	27.3	17.8	153	49.7	38.3	130
County Line	4830	0.0	0.0	*	18.3	15.5	118

### Southside Snake River Basins Streamflow Forecasts - April 1, 2017

Forecast Point	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment						
		← Drier		Projected Volume			Wetter →	
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Goose Ck abv Trapper Ck nr Oakley	APR-JUL	16.5	22	27	144%	32	40	18.7
	APR-SEP	17.6	24	29	145%	34	43	20
Trapper Ck nr Oakley	APR-JUL	5.1	5.8	6.4	128%	7	7.9	5
	APR-SEP	6.2	7.1	7.7	126%	8.3	9.3	6.1
Oakley Reservoir Inflow	APR-JUL	22	28	33	138%	39	48	24
	APR-SEP	24	31	37	142%	43	52	26
Salmon Falls Ck nr San Jacinto	APR-JUL	78	93	103	147%	113	128	70
	APR-SEP	82	97	108	146%	118	133	74
Bruneau R nr Hot Spring	APR-JUL	215	255	285	156%	310	355	183
	APR-SEP	225	265	295	154%	325	370	192
Reynolds Ck at Tollgate	APR-JUL	4.9	6.6	7.7	101%	8.9	10.6	7.6
Owyhee R nr Gold Ck 2	APR-JUL	23	31	37	168%	43	52	22
	APR-SEP	21	30	36	171%	42	50	21
Owyhee R nr Rome	APR-JUL	360	505	600	174%	695	840	345
	APR-SEP	380	525	625	171%	720	865	365
Owyhee R bl Owyhee Dam 2	APR-JUL	385	530	630	168%	730	875	375
	APR-SEP	420	570	670	165%	770	915	405
Snake R bl Lower Granite Dam 1	APR-JUL	23200	26600	28100	142%	29600	33000	19848
	APR-SEP	25700	29500	31300	140%	33000	36800	22280

Normals based on 1981-2010 reference period: streamflow, precipitation, & reservoir normals are averages, SWE normals are medians.

1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

Reservoir Storage (KAF): End of March					Watershed Snowpack Analysis: April 1, 2017			
Reservoir Name	Current (KAF)	Last YR	Average (KAF)	Capacity (KAF)	Basin Name	# of Sites	% of Median 2017	% of Median 2016
Oakley Reservoir	46.8	22.4	29.6	75.6	Raft River	6	111%	110%
Salmon Falls Reservoir	111.2	42.7	56.0	182.6	Goose-Trapper Creeks	6	107%	112%
Wild Horse Reservoir	64.3	25.0	39.2	71.5	Salmon Falls Creek	8	105%	120%
Lake Owyhee	675.4	404.8	495.8	715.0	Bruneau River	8	113%	113%
Brownlee Reservoir	832.3	1020.1	1102.0	1420.0	Reynolds Creek	7	96%	101%
					Owyhee Basin Total	20	96%	67%
					Owyhee Basin Snotel Total	8	100%	95%

CURRENT  
MONTHLY FORECAST SUMMARY  
April 01 2017

FORECAST	PERIOD	1981-2010 AVERAGE (1000AF)	NORMAL		120% NORMAL		80% NORMAL	
			FORECAST (1000AF)	PERCENT NORMAL	FORECAST (1000AF)	PERCENT NORMAL	FORECAST (1000AF)	PERCENT NORMAL
		AVE	NORM	%	HIGH	%	LOW	%
ANDERSON*	APR-JUL	476.6	808.0	170				
BAKER	APR-JUL	58.6	54.9	94	57.1	97	52.7	90
BEULAH	APR-JUN	52.4	61.4	117	65.3	125	57.5	110
BOISE**	APR-JUL	1261.2	2000.0	159				
BULLY CREEK	APR-JUN	8.8	7.9	90	11.1	126	4.8	54
CASCADE	APR-JUL	483.7	605.6	125	630.3	130	580.9	120
DEADWOOD	APR-JUL	123.0	175.0	142	180.0	146	170.1	138
HORSESHOE BEND	APR-JUL	1484.8	1965.9	132	2044.2	138	1887.6	127
MANN CREEK	APR-JUN	17.5	17.2	98	18.4	105	16.0	91
MAL. NR. DREWSEY***	APR-JUN	67.9	78.0	115				
N. F. MALHEUR R.****	APR-JUN	50.5	73.0	144				
OWYHEE****	APR-JUN	353.5	552.0	156				
OWYHEE NR. ROME****	APR-JUN	332.6	487.0	146				
WARM SPRINGS	APR-JUN	67.7	77.7	115	85.9	127	69.5	103
WILDHORSE****	APR-JUN	23.7	30.0	127				
UNITY*	APR-JUL	33.3	36.0	108				

\*Avg. of MLR&PCA  
 \*\*Coordinated Forecast  
 \*\*\*Based on WARO forecast  
 \*\*\*\*PCA Forecast