

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 13-7853
Exam Date: 08/10/2023

1. Current Owner:
CONSOLIDATED IRRIGATION CO 33 S 1ST E PRESTON ID 83263-1301
2. Accompanied by: Lyle Porter and Kirk Iverson (13A Watermaster)
Phone No:208-339-1864
Address:1447 E 800 N Preston ID 83263
Relationship to permit Holder: Director

3. SOURCE:
CUB RIVER
MINK CREEK

Tributary
BEAR RIVER
BEAR RIVER

Method of Determination: Map and site visit.

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
13-17	Cub River	Irrigation	Decreed
13-18	Cub River	Irrigation	Decreed
13-19	Cub River	Irrigation	Decreed
13-20	Cub River	Irrigation	Decreed
13-2	Cub River	Irrigation	Decreed
13-3	Cub River	Irrigation	Decreed
13-2104	Cub River	Irrigation	License
13-2288A	Cub River	Irrigation (storage)	License
13-2291	Cub River	Irrigation (storage)	License
13-2298	Cub River	Irrigation (storage)	License

Comments: Water diverted under the water rights listed above first pass through the hydropower facility and then delivered to Consolidated Irrigation Company shareholders.

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

CUB RIVER NW¼ NE¼ NW¼, Sec. 8, Twp 15S, Rge 41E, B.M. FRANKLIN County
MINK CREEK SW¼ NE¼ SE¼, Sec. 28, Twp 13S, Rge 41E, B.M. FRANKLIN County
CUB RIVER SW¼ SE¼ NW¼, Sec. 10, Twp 15S, Rge 40E, B.M. FRANKLIN County (Injection)
MINK CREEK SW¼ SE¼ NW¼, Sec. 10, Twp 15S, Rge 40E, B.M. FRANKLIN County (Injection)

Method of Determination: Aerial photography and site visit.

PLACE OF USE: POWER

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
15S	40E	10							X			X							

Method of Determination: Aerial photography and site visit.

3.

 x Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

 x Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

 x Aerial Photo Attached (required for irrigation of 10+ acres).

 x Photo of Diversion and System Attached

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flowmeter	Insertion	Seametrics				

2. Measurements:

E. FLOW CALCULATIONS

 x Additional Computation Sheets Attached

Measured Method: Beneficial use exam was not conducted during peak deliveries. Flow meter readings collected by Consolidated Irrigation Co. was used to calculate flow rate. Using 2018 data provided by Lyle Porter the maximum rate of diversion through power plant is 48.0 cfs.

F. VOLUME CALCULATIONS

2. Volume Calculations for Other Uses:

2018 average rate of diversion through the power plant is approximately 37.0 cfs.

$37.0 \times 1.9835 \times 365 = 26,787.2 \text{ af.}$

G. NARRATIVE/REMARKS/COMMENTS

Existing points of diversion on Mink Creek and Cub River divert water through the Mink Creek Canal and Cub River/Worm Creek Canal to a pipeline system. Water from the canals flow through screens (debris removal) before entering the pipelines for hydropower. The pipeline from the Mink Creek Canal (24") and the pipeline from Cub River/Worm Creek Canal (30") merged into a 36" pipeline that transports water down gradient to Consolidated Irrigation Company's hydropower facility. A flow meter is used to measure the flow before entering the facility. Flow meter is installed on a 36" pipeline located approximately 20-30 ft from facility (upstream side). Water flows into the facility and through a GILKS (brand) Pelton turbine where power is produced with a MES (brand) generator. The turbine and generator are rated to produce 500 kw of power. According to Lyle Porter, the maximum power produced at the facility is 450 kw. Water then exits the facility through a tail raceway where there are two headgates that are used to control the direction of flow. Water from the raceway can be diverted to the Johnson reservoir, the Lamont reservoirs and/or water can be injected into Worm Creek where it then flows into the Glendale Reservoir. From the Reservoir's water is distributed to Consolidated Irrigation Company shareholders for irrigation purposes.

Consolidated Irrigation Company and PacifiCorp have a purchase agreement that was approved by the Idaho Public Utilities Commission. Order # 33405 was approved on October 27th, 2015. The term of the agreement is 20 years, putting the expiration date on October 27th, 2035.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
POWER	01/01 to 12/31	48.00 CFS	26787.2 AF
<u>Totals:</u>		48.00 CFS	26787.2 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

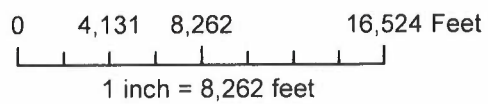
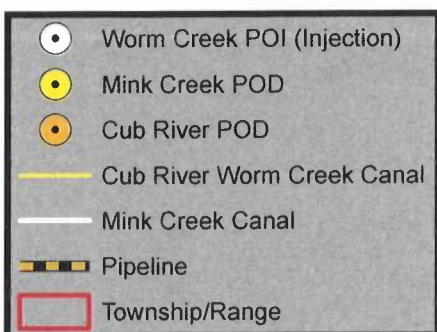
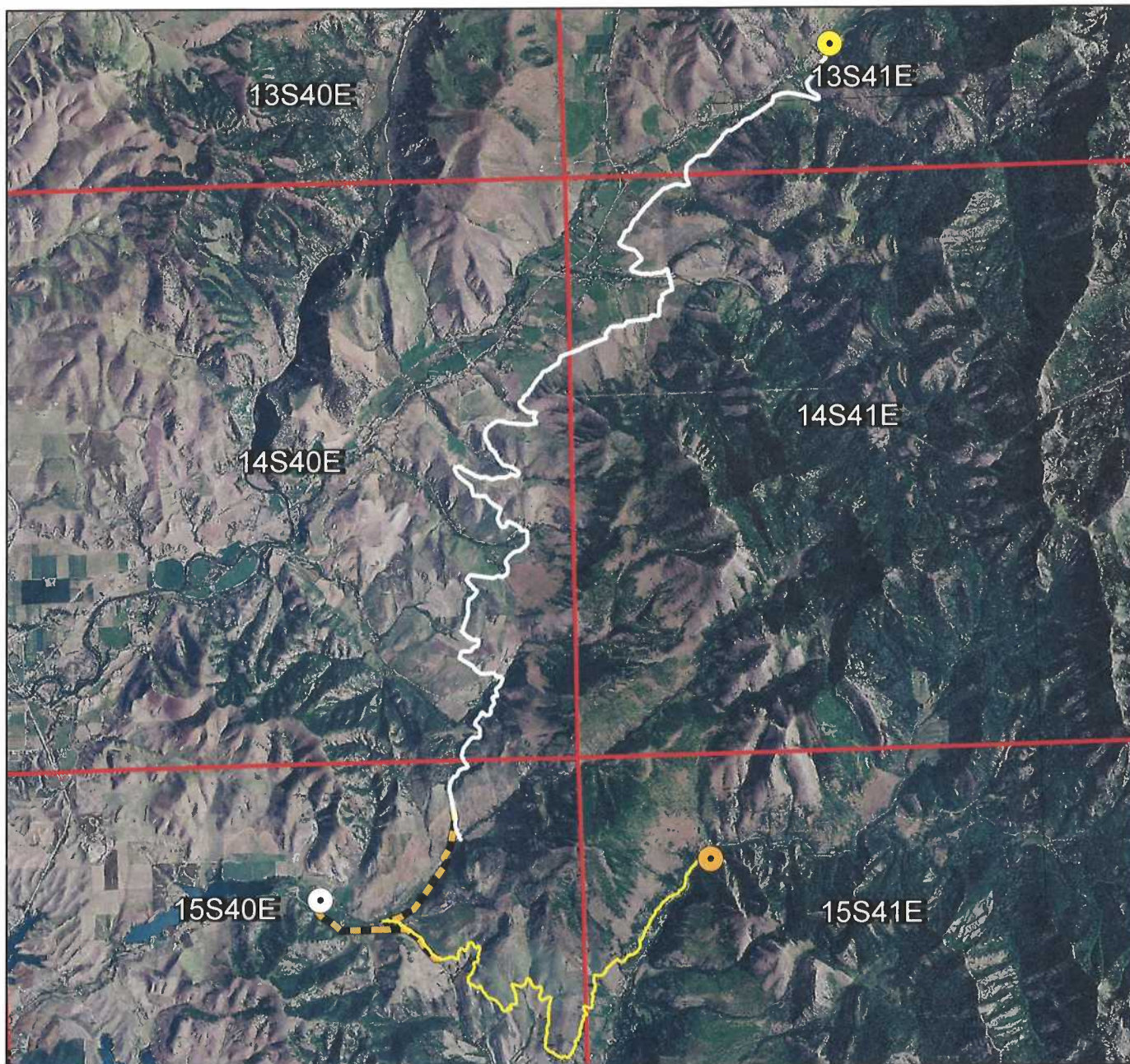
☐ Change P.U. as reflected above ☒ Add P.U. as reflected above ☐ None

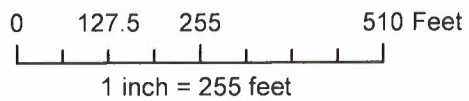
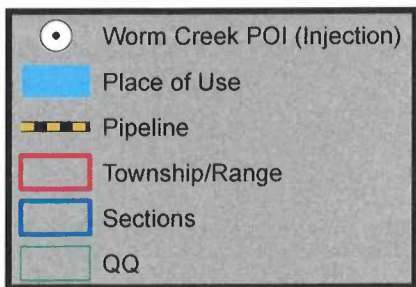
I. AUTHENTICATION

Blake Jordan -

Field Examiner's Name Blake Jordan Date 8/10/2023

Reviewer _____ Date _____





Screen for Cub River Pipeline

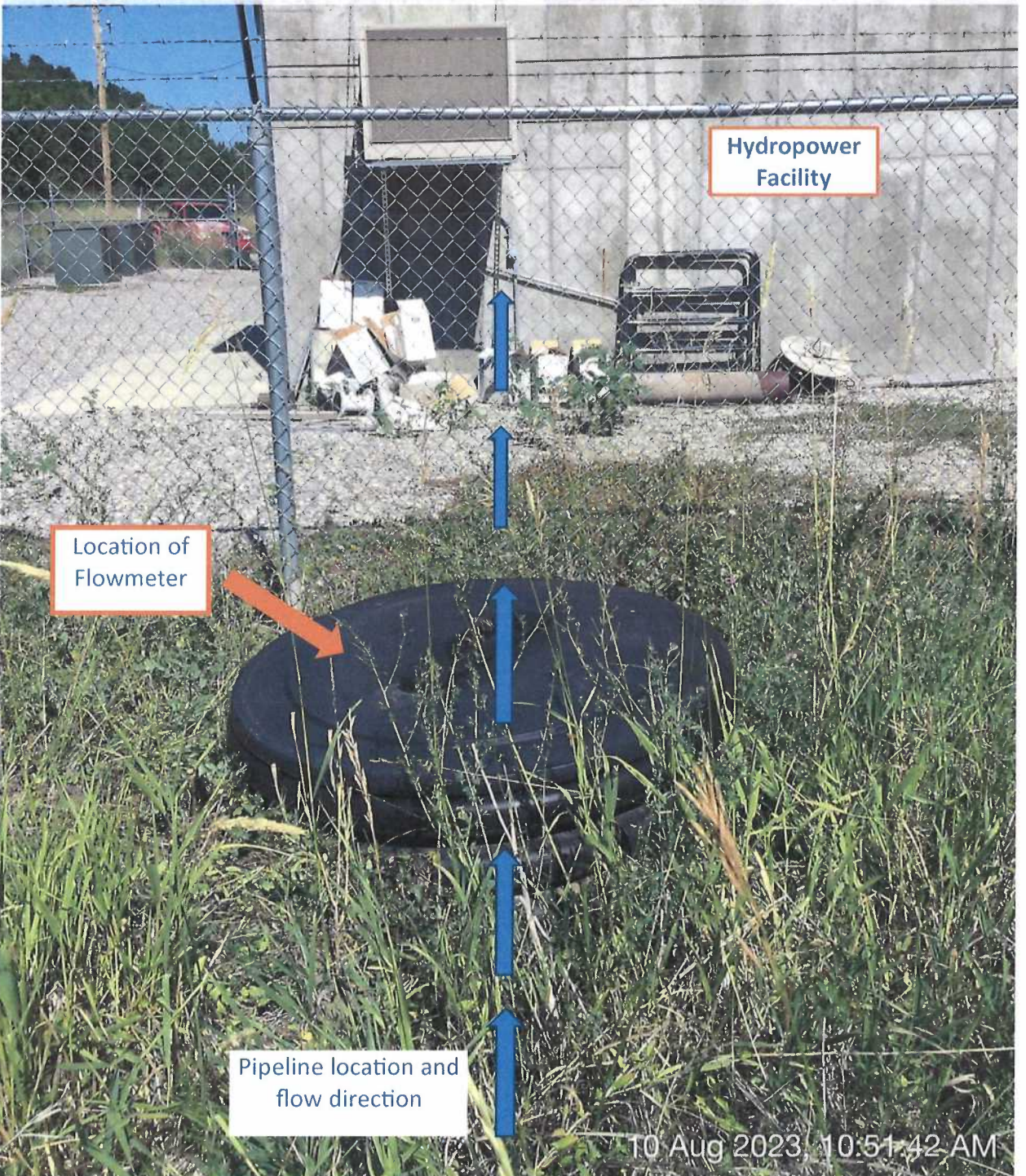


Screen for Mink Creek Pipeline

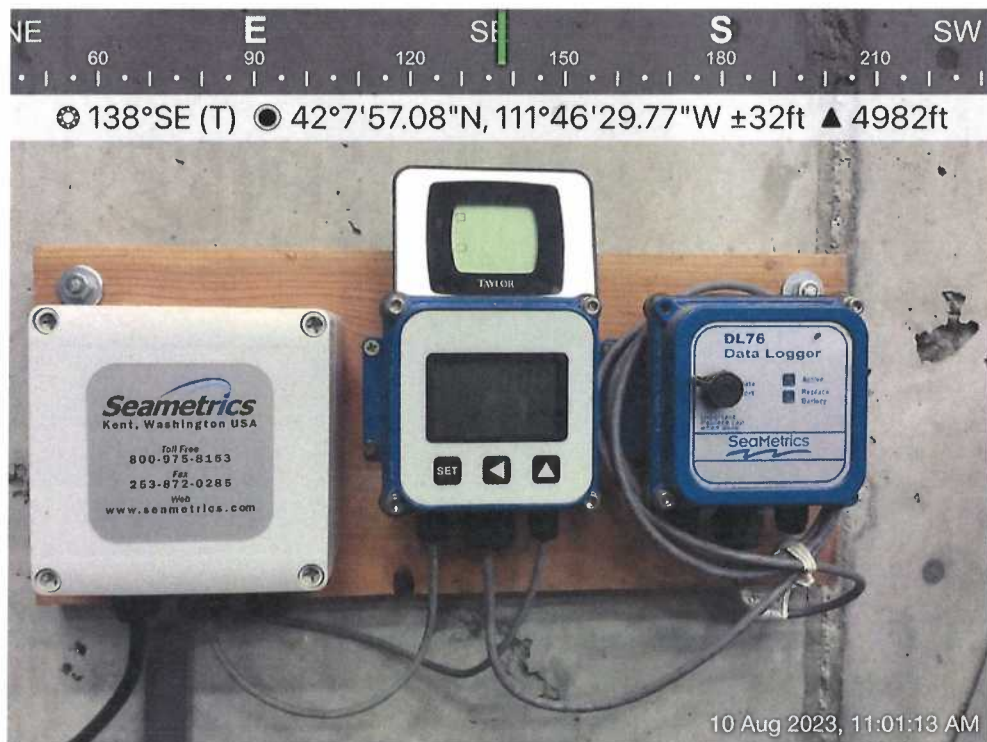
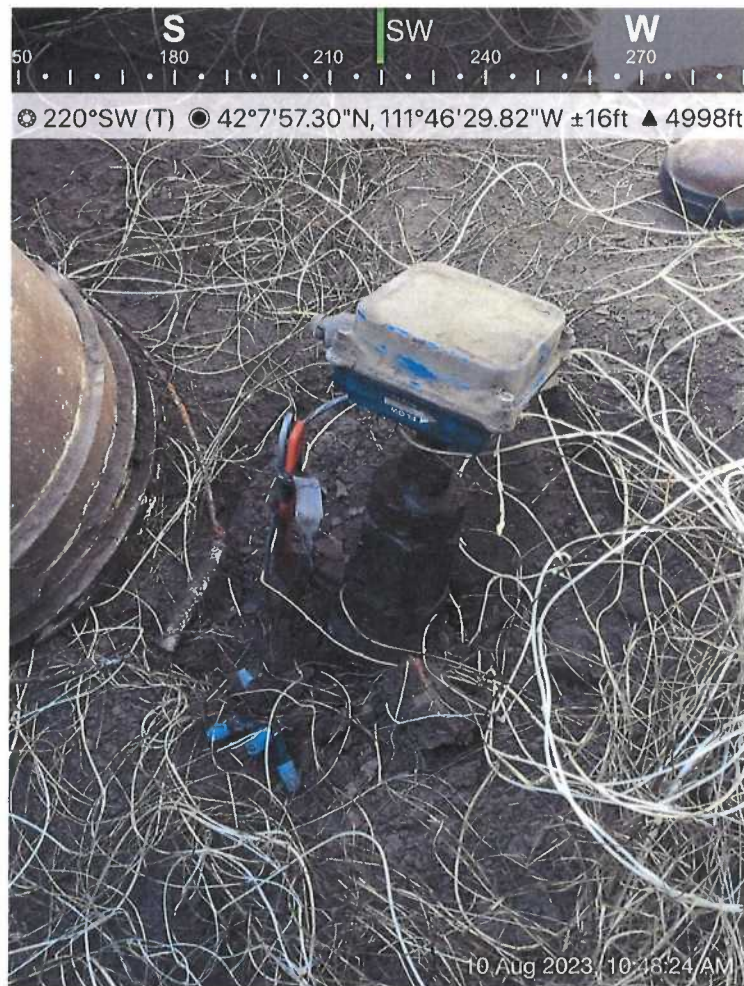




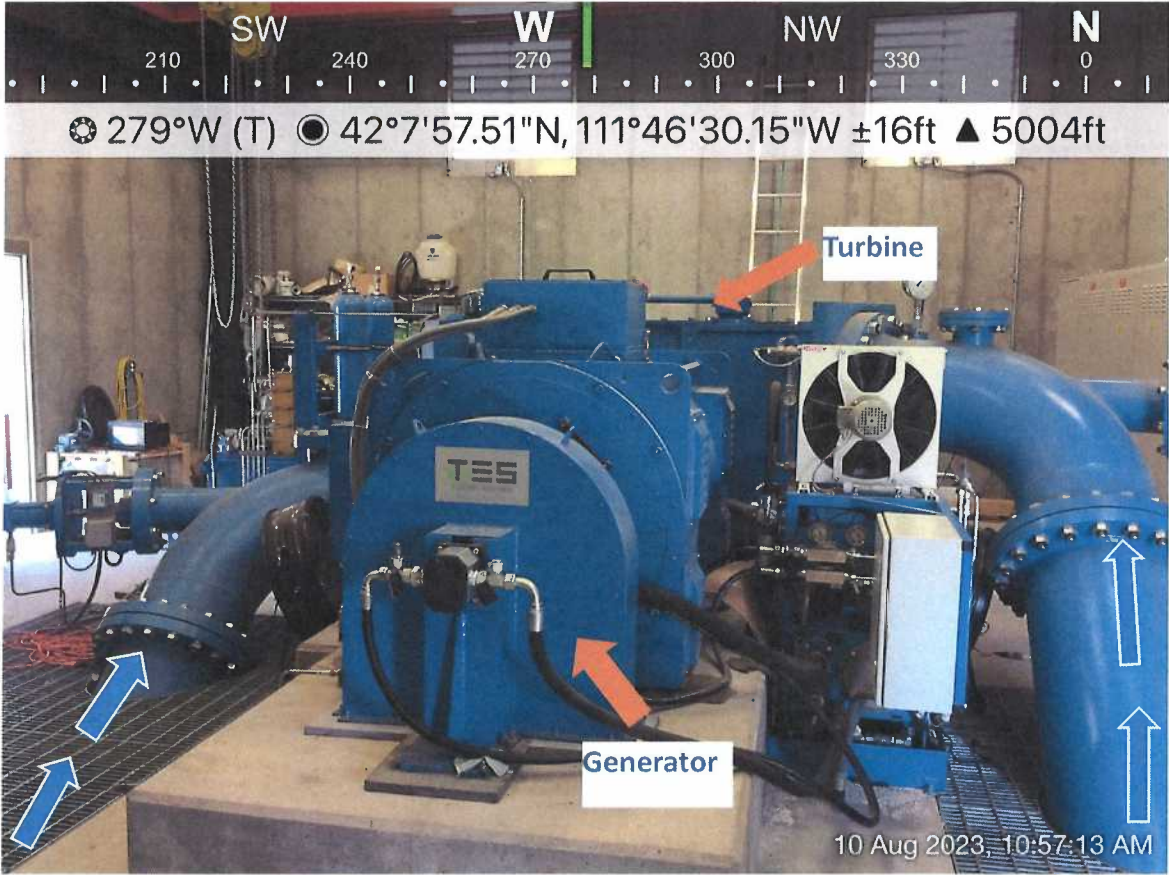
☉ 320°NW (T) ☉ 42°7'57.27"N, 111°46'29.82"W ±16ft ▲ 4990ft



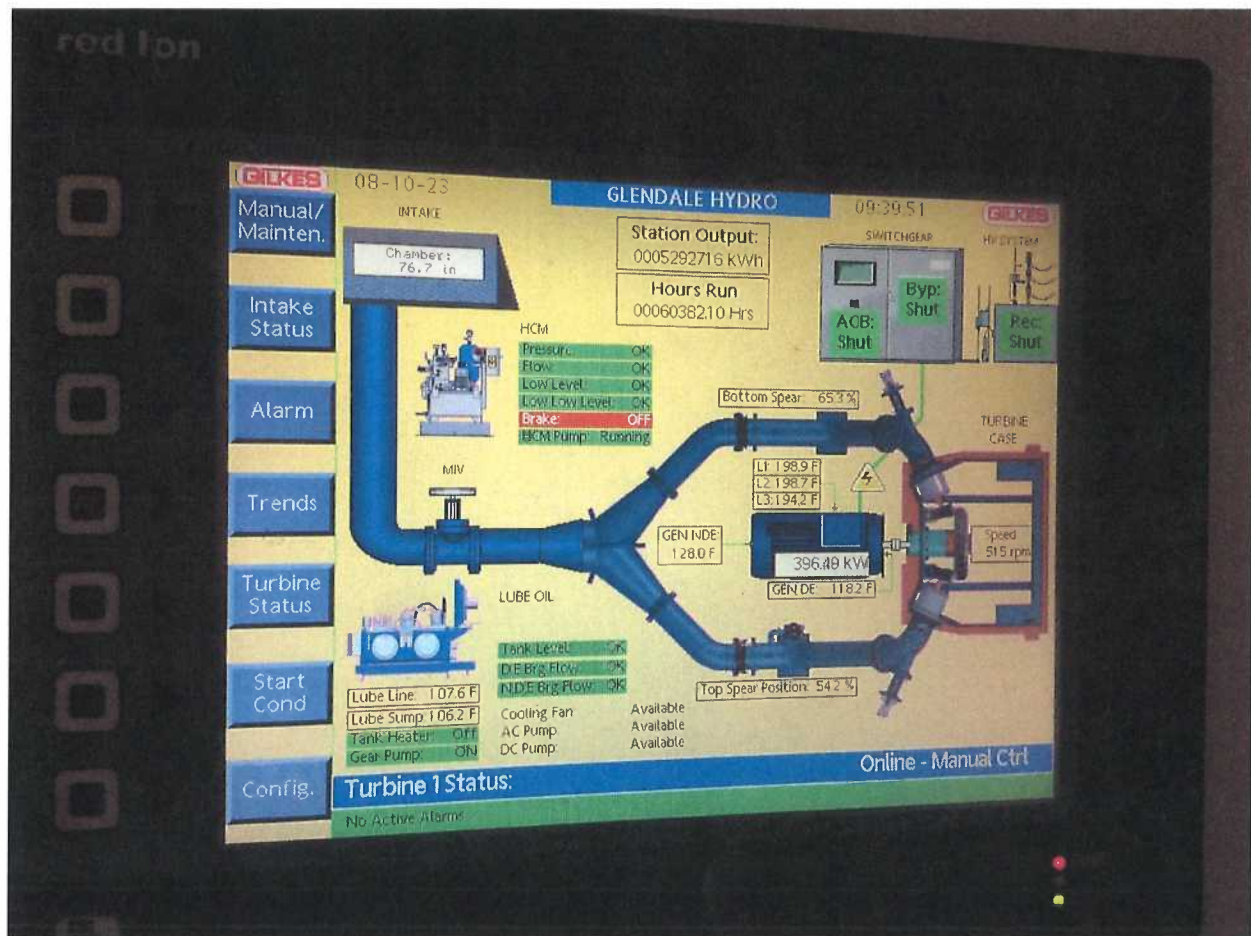
Seametrics Flowmeter



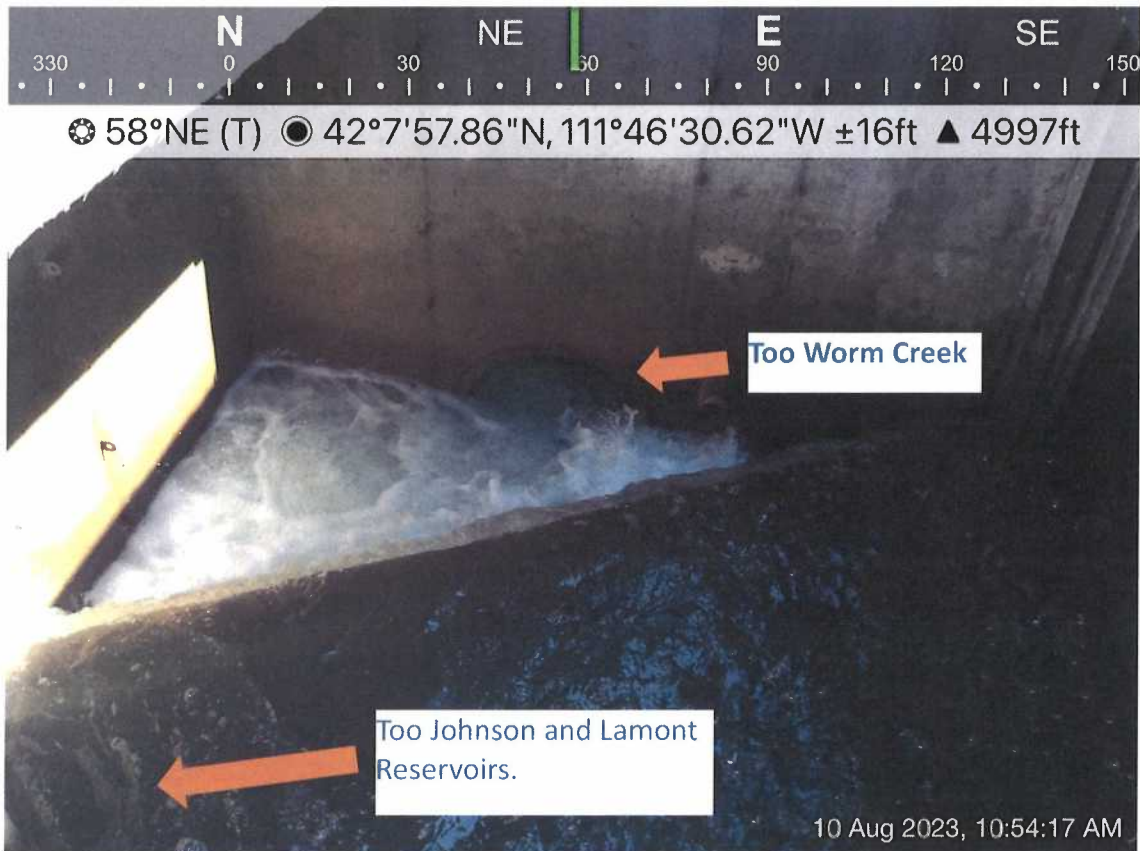
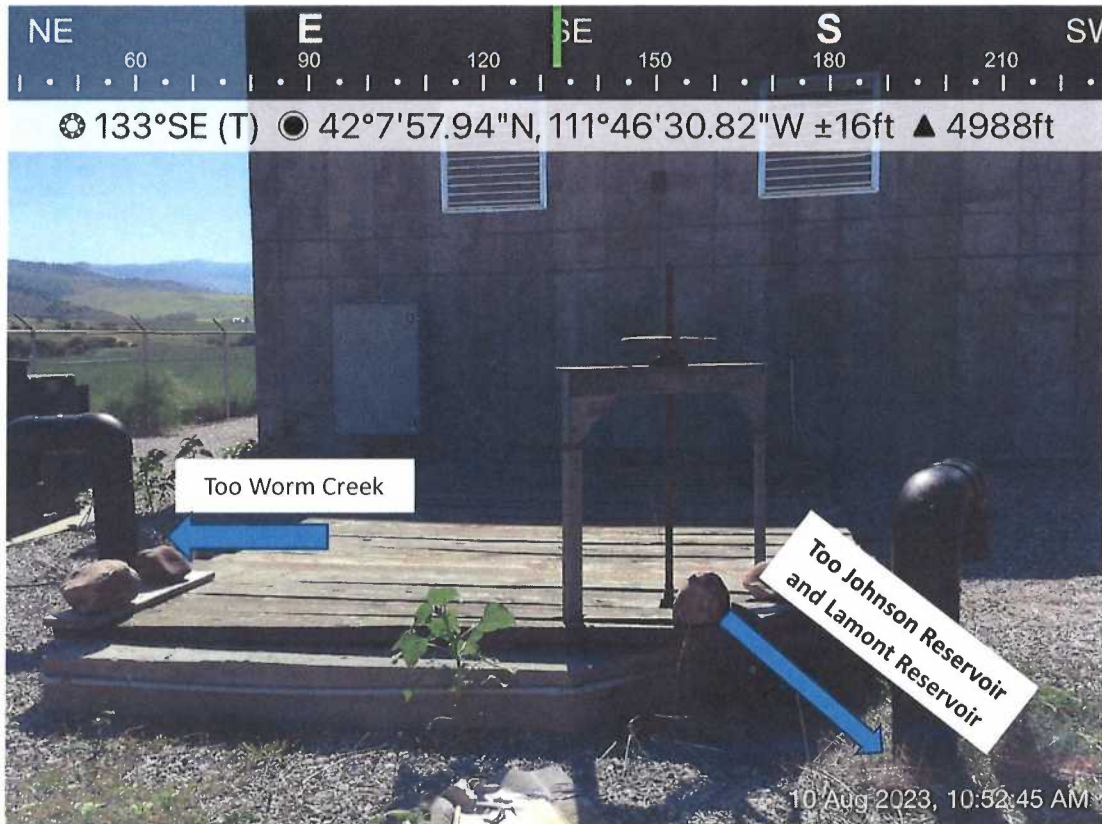
MES Generator and GILKS Turbine



Generator and Turbine Display



Tail Raceway



Point of Injection into Worm Creek



☀ 133°SE (T) ☉ 42°8'2.19"N, 111°46'26.61"W ±16ft ▲ 4997ft



☀ 27°NE (T) ☉ 42°8'2.14"N, 111°46'26.43"W ±16ft ▲ 5007ft



MAY 2018			Total days	Delivery Estimate:					277,000 kWh		Actual kW del. to RMP:		289,481		Meter @		5,889,838 kWh		kWh to date less 3%		Hours to date this month: 744.00				Av. kW req. to reach estimate	
			31	Total Delivery this month:					297,407 kWh		variance:		2.67%		May 1:		22,941.50 Hr		288,485 kWh		Hours remaining this month: 0.00				90% 0 kW	
				244	less 3%: 288,485 kWh																			100% 0 kW		
Date	Time	Head Ft.	Meter cfs	Gen. kW	Gen. Amps	Gen. PF	Gen. Total Hrs.	Gen. Total kWh	kW since last reading	Ave. kWh since last reading	Ave. kWh month to date, less 3%	kWh to 90% plus 3%	kWh to 100% plus 3%	kWh to 110% plus 3%	C.R. Weir ft.	C.R. Weir cfs	M.C. Weir ft.	M.C. Weir cfs	Hrs. off line				Comments			
5/1	12:00 AM							22,941.60	5,889,865	27	270	262	256,752	285,283	313,814	0.40	9.1	0.96	15.00					110% ##### kW		
5/1	9:55 AM	188	15.9	267	405	-0.85	22,951.42	5,892,526	2,661	271	263	254,091	282,622	311,153	0.40	9.1	0.96	15.00								
5/1	6:00 PM	186	15.5	262	403	-0.85	22,959.53	5,894,660	2,134	263	259	251,957	280,488	309,019	0.40	9.1	0.96	15.00								
5/2	11:50 AM	188	13.5	257	385	-0.84	22,977.35	5,899,271	4,611	259	255	247,346	275,877	304,408	0.40	9.1	0.96	15.00								
5/2	5:00 PM	180	17.7	308	450	-0.87	22,982.52	5,900,636	1,365	264	255	245,981	274,512	303,043	0.55	15.1	0.96	15.00								
5/2	5:30 PM	178	19	317	464	-0.87	22,983.00	5,900,788	152	317	256	245,829	274,360	302,891	0.55	15.1	0.96	15.00								
5/2	8:30 PM	177	19.3	321	473	-0.87	22,985.81	5,901,690	902	321	259	244,927	273,458	301,989	0.55	15.1	1.16	20.08								
5/3	4:30 PM	175	20.1	320	469	-0.87	23,006.01	5,908,118	6,428	318	275	238,499	267,030	295,561	0.58	16.5	1.16	20.08								
5/4	10:40 AM	175	22	357	507	-0.87	23,024.18	5,914,439	6,321	348	289	232,178	260,709	289,240	0.57	16.0	1.16	20.08								
5/4	6:45 PM	175	21.4	352	506	-0.87	23,031.27	5,916,933	2,494	352	293	229,684	258,215	286,746	-			0.00								
5/5	7:45 AM	174	23	362	519	0.87	23,045.23	5,921,880	4,947	354	300	224,737	253,268	281,799	-			0.00								
5/6	9:00 AM	169	25.8	382	547	-0.88	23,070.53	5,931,327	9,447	373	312	215,290	243,821	272,352	-			0.00								
5/6	6:30 PM	169	25	390	554	-0.87	23,079.28	5,934,991	3,664	419	318	211,626	240,157	268,688	-			0.00								
5/7	10:15 AM	170	25.5	390	560	-0.88	23,095.76	5,941,111	6,120	371	322	205,506	234,037	262,568	-			0.00								
5/7	8:05 PM	165	27	400	563	-0.87	23,105.66	5,944,992	3,881	392	326	201,625	230,156	258,687	-			0.00								
5/8	7:20 AM	165	28	402	575	-0.88	23,116.89	5,949,522	4,530	403	330	197,095	225,626	254,157	-			0.00								
5/10	10:00 AM	180	23.5	374	537	-0.88	23,167.47	5,969,476	19,954	395	342	177,141	205,672	234,203	-		1.36	25.99								
5/10	7:00 PM	166	27.4	408	580	-0.88	23,176.52	5,972,916	3,440	380	343	173,701	202,232	230,763	0.63	18.8		0.00								
5/11	7:55 AM	175	24.1	393	561	-0.88	23,189.46	5,978,069	5,153	398	345	168,548	197,079	225,610	-			0.00								
5/11	5:40 PM	174	24.5	405	572	-0.88	23,199.17	5,981,906	3,837	395	347	164,711	193,242	221,773	-			0.00								
5/12	8:15 AM	168	27.4	412	582	-0.88	23,213.83	5,987,984	6,078	415	350	158,633	187,164	215,695	0.60	17.4		0.00								
5/13	8:30 AM	169	27	407	578	-0.88	23,238.01	5,997,985	10,001	414	354	148,632	177,163	205,694	-			0.00								
5/13	7:30 PM	170	26	404	572	-0.88	23,249.00	6,002,450	4,465	406	355	144,167	172,698	201,229	-			0.00								
5/14	11:20 AM	171	26	401	570	-0.88	23,264.89	6,008,862	6,412	404	357	137,755	166,286	194,817	-			0.00								
5/14	5:30 PM	174	25	396	562	-0.88	23,270.99	6,011,308	2,446	401	358	135,309	163,840	192,371	-			0.00								
5/15	5:10 PM	175	23.5	394	558	-0.87	23,294.67	6,020,631	9,323	394	359	125,986	154,517	183,048	0.55	15.1	1.36	25.99								
5/16	2:10 PM	174	22.3	402	574	-0.88	23,315.75	6,028,862	8,231	390	360	117,755	146,286	174,817	0.55	15.1		0.00								
5/16	8:25 PM	170	23.3	405	572	-0.87	23,321.98	6,031,377	2,515	404	361	115,240	143,771	172,302	0.54	14.7		0.00								
5/17	11:00 AM	175	21	400	568	-0.88	23,336.61	6,037,240	5,863	401	362	109,377	137,908	166,439	0.54	14.7		0.00								
5/17	6:45 PM	167	23.5	409	580	-0.88	23,344.31	6,040,342	3,102	403	362	106,275	134,806	163,337	0.59	16.9	1.52	30.98								
5/18	12:30 PM	174	21	400	572	-0.88	23,362.04	6,047,528	7,186	405	364	99,089	127,620	156,151	0.72	23.3		0.00								
5/18	7:45 PM	155	27.5	421	594	-0.88	23,369.30	6,050,533	3,005	414	364	96,084	124,615	153,146	-			0.00								
5/19	7:00 AM	160	26.5	420	594	-0.88	23,380.58	6,055,300	4,767	423	366	91,317	119,848	148,379	-			0.00								
5/19	8:40 PM	148	31.5	430	610	-0.88	23,394.12	6,061,029	5,729	423	367	85,588	114,119	142,650	-			0.00								
5/20	9:20 AM	152	31.6	433	614	-0.88	23,406.87	6,066,537	5,508	432	368	80,080	108,611	137,142	0.86	30.9		0.00								
5/20	7:45 PM	145	35	431	606	-0.87	23,417.31	6,071,039	4,502	431	369	75,578	104,109	132,640	-		1.52	30.98								
5/21	10:40 AM	150	32.4	435	620	-0.88	23,432.18	6,077,507	6,468	435	371	69,110	97,641	126,172	0.97	37.5		0.00								
5/21	7:55 PM	152	33	438	616	-0.88	23,441.48	6,081,580	4,073	438	372	65,037	93,568	122,099	-			0.00								
5/22	8:40 AM	153	34.5	435	620	-0.88	23,454.21	6,087,145	5,565	437	373	59,472	88,003	116,534	-			0.00								
5/22	6:10 PM	145	38	428	604	-0.88	23,463.75	6,091,256	4,111	431	374	55,361	83,892	112,423	1.09	45.2		0.00								
5/23	11:15 AM	152	36	430	606	-0.88	23,480.86	6,098,580	7,324	428	375	48,037	76,568	105,099	-			0.00								
5/23	7:50 PM	148	37.4	428	606	-0.88	23,489.38	6,102,178	3,598	422	376	44,439	72,970	101,501	1.15	49.2		0.00								
5/24	10:20 AM	159	35	430	609	-0.88	23,503.88	6,108,424	6,246	431	377	38,193	66,724	95,255	-			0.00								
5/24	8:55 PM	148	38	430	605	-0.88	23,514.44	6,112,944	4,520	428	378	33,673	62,204	90,735	1.22	54.1		0.00								
5/25	5:50 PM	145	39.5	426	604	-0.88	23,535.40	6,121,966	9,022	430	379	24,651	53,182	81,713	-			0.00								
5/25	9:10 PM	157	36	432	608	-0.88	23,538.74	6,123,401	1,435	430	379	23,216	51,747	80,278	1.29	59.2		0.00								
5/26	7:00 PM	145	40	424	602	-0.88	23,560.47	6,132,599	9,198	423	380	14,018	42,549	71,080	-			0.00								
5/27	4:35 PM	164	35.3	440	620	-0.88	23,582.17	6,141,990	9,391	433	382	4,627	33,158	61,689	-			0.00								
5/28	10:30 AM	168	34	428	604	-0.88	23,600.07	6,149,752	7,762	434	383	-	25,396	53,927	1.41	68.2		0.00								
5/28	5:30 PM	163	35	438	620	-0.88	23,607.11	6,152,836	3,084	438	383	-	22,312	50,843	1.14	48.6		0.00								
5/29	10:40 AM	157	36.5	439	624	-0.88	23,624.21	6,160,326	7,490	438	384	-	14,822	43,353	-			0.00								
5/29	5:30 PM	157	36.5	440	621	-0.88	23,631.03	6,163,322	2,996	439	385	-	11,826	40,357	1.25	56.3		0.00								
5/30	10:45 AM	158	42	438	621	-0.88	23,648.30	6,170,904	7,582	439	386	-	4,244	32,775	-			0.00								
5/30	5:30 PM	154	43	440	618	-0.88	23,655.02	6,173,850	2,946	438	386	-	1,298	29,829	-			0.00								
5/30	9:20 PM	159	41.4	440	620	-0.88	23,658.90	6,175,557	1,707	440	386	-	-	28,122	1.50	75.3		0.00								
5/31	4:00 PM	164	40.5	437	620	-0.88	23,677.76	6,183,847	8,290	440	387	-	-	19,832	-			0.00								
5/31	12:00 PM							23,685.50	6,187,245	3,398	439	388	-	-	16,434	-		0.00								
										0	-	-	-	-	16,434	-		0.00								
										0	-	-	-	-	16,434	-		0.00								
										0	-	-	-	-	16,434	-		0.00								
										0	-	-	-	-	16,434	-		0.00								
										0	-	-	-	-	16,434	-		0.00								
										0	-	-	-	-	16,434	-		0.00								

JUNE 2018		total days 30	Delivery Estimate: 290,000 kWh		Actual kW del. to RMP: 294,729		Meter @ June 1: 6,187,245 kWh	kWh to date less 3% 294,328 kWh		Hours to date this month: 720.14		Av kW res. to reach estimate (0.14)												
			Total Delivery this month: 303,431 kWh		variance: 2.87%					Hours remaining this month:														
			less 3%: 294,328 kWh																					
Date	Time	Head Ft.	Meter cfs	Gen. kW	Gen. Amps	Gen. PF	Gen. Total Hrs.	Gen. Total kWh	kW since last reading	Ave. kWh since last reading	Ave. kWh month to date, less 3%	kWh to 90% plus 3%	kWh to 100% plus 3%	kWh to 110% plus 3%	C.R. Weir cfs	C.R. Weir ft.	M.C. Weir cfs	M.C. Weir ft.	Hrs. off line	Comments	90% 0 kW	100% 0 kW	110% 0 kW	
6/1	12:00 AM			439		-0.88	23,685.50	6,187,245	-	0	268,830	298,700	328,570	1.54	78.6	1.52	31.0							
6/1	5:15 PM	160	42.5	440	623	-0.88	23,702.78	6,194,832	7,587	439	426	261,243	291,113	320,983										
6/2	8:30 AM	160	41.5	436	620	-0.89	23,718.07	6,201,523	6,691	438	425	254,552	284,422	314,292	1.25	56.3								
6/2	10:05 PM	156	43	438	617	-0.88	23,731.65	6,207,477	5,954	438	425	248,598	278,468	308,338										
6/3	8:30 AM	156	42.5	437	616	-0.88	23,742.08	6,212,024	4,547	436	425	244,051	273,921	303,791										
6/3	8:45 PM	150	46	440	612	-0.87	23,754.30	6,217,360	5,336	437	425	238,715	268,585	298,455										
6/4	10:15 AM	163	41	440	624	-0.88	23,767.81	6,223,302	5,942	440	425	232,773	262,643	292,513	1.37	65.2								
6/4	8:20 PM	145	46.5	431	604	-0.87	23,777.93	6,227,718	4,416	436	425	228,357	258,227	288,097	1.36	64.4								
6/5	5:30 PM	158	43	438	607	-0.88	23,799.11	6,236,926	9,208	435	424	219,149	249,019	278,889	1.40	67.5								
6/6	5:50 PM	156	43.5	438	613	-0.87	23,823.49	6,247,587	10,661	437	424	208,488	238,358	268,228	1.48	73.7								
6/7	12:15 PM	160	40	440	628	-0.88	23,841.88	6,255,702	8,115	441	425	200,373	230,243	260,113										
6/7	5:35 PM	160	43	445	624	-0.88	23,847.16	6,258,018	2,316	439	425	198,057	227,927	257,797										
6/8	11:10 AM	164	41.5	443	624	-0.88	23,864.73	6,265,749	7,731	440	425	190,326	220,196	250,066	1.51	76.1								
6/8	8:20 PM	165	40.5	439	611	-0.87	23,873.90	6,269,769	4,020	438	425	186,306	216,176	246,046	1.51	76.1								
6/9	7:40 AM	166	40.5	438	621	-0.88	23,885.28	6,274,768	4,999	439	425	181,307	211,177	241,047	1.51	76.1								
6/9	8:40 PM	158	43	437	618	-0.88	23,898.28	6,280,492	5,724	440	425	175,583	205,453	235,323	1.51	76.1								
6/10	8:00 AM	160	42	441	632	-0.88	23,909.68	6,285,500	5,008	439	425	170,575	200,445	230,315										
6/10	8:00 PM	160	42	437	616	-0.87	23,921.66	6,290,748	5,248	438	425	165,327	195,197	225,067										
6/11	7:30 AM	165	40	433	615	-0.88	23,933.14	6,295,750	5,002	436	425	160,325	190,195	220,065										
6/11	4:45 AM	160	41.2	440	621	-0.88	23,933.35	6,295,840	90	429	425	160,235	190,105	219,975	1.48	73.7								
6/11	5:00 PM	152	45	445	630	-0.88	23,942.54	6,299,873	4,033	439	425	156,202	186,072	215,942	1.48	73.7								
6/12	8:10 AM	155	44	439	623	-0.89	23,957.75	6,306,542	6,669	438	425	149,533	179,403	209,273										
6/12	7:30 PM	152	45	442	627	-0.88	23,969.13	6,311,537	4,995	439	425	144,538	174,408	204,278										
6/13	9:45 AM	144	47	426	610	-0.88	23,983.39	6,317,677	6,140	431	425	138,398	168,268	198,138	1.41	68.2								
6/13	8:50 PM	156	42	415	585	-0.88	23,994.42	6,322,381	4,704	426	424	133,694	163,564	193,434										
6/14	6:20 PM	125	39	310	456	-0.87	24,015.98	6,330,904	8,523	395	422	125,171	155,041	184,911										
6/14	7:05 PM	140	36	320	463	-0.87	24,016.71	6,331,140	236	323	421	124,935	154,805	184,675	1.38	65.9								
6/15	12:40 AM	157	32	325	473	-0.87	24,034.28	6,336,789	5,649	322	416	119,286	149,156	179,026	1.33	62.1								
6/16	7:00 AM	150	33.2	325	475	-0.86	24,052.59	6,342,704	5,915	323	411	113,371	143,241	173,111										
6/16	8:00 AM	155	42	407	577	-0.88	24,053.65	6,343,069	365	344	411	113,006	142,876	172,746										
6/16	8:45 PM	145	46	407	574	-0.87	24,066.36	6,348,228	5,159	406	410	107,847	137,717	167,587										
6/17	8:55 AM	160	40	405	578	-0.88	24,078.50	6,353,238	5,010	413	410	102,837	132,707	162,577	1.32	61.4								
6/17	7:10 PM	140	48	399	562	-0.87	24,088.75	6,357,430	4,192	409	409	98,645	128,515	158,385										
6/18	12:50 AM	165	39	407	581	-0.88	24,106.43	6,364,737	7,307	413	409	91,338	121,208	151,078										
6/18	1:10 PM	150	44.5	420	593	-0.88	24,106.77	6,364,878	141	415	409	91,197	121,067	150,937	1.32	61.4								
6/18	6:50 PM	150	45	420	594	-0.88	24,112.49	6,367,257	2,379	416	409	88,818	118,688	148,558	1.24	55.6								
6/19	7:55 PM	156	43.2	430	607	-0.88	24,137.53	6,377,800	10,543	421	409	78,275	108,145	138,015	1.24	55.6								
6/19	8:12 PM	155	44	432	611	-0.88	24,137.76	6,377,900	100	435	409	78,175	108,045	137,915	1.22	54.1								
6/20	10:30 AM	172	38	414	586	-0.88	24,152.13	6,384,028	6,128	426	409	72,047	101,917	131,787	1.18	51.3								
6/20	10:55 AM	153	45	438	619	-0.89	24,152.53	6,384,198	170	425	409	71,877	101,747	131,617										
6/20	9:05 PM	152	44	425	598	-0.88	24,162.85	6,388,575	4,377	424	409	67,500	97,370	127,240	1.16	49.9								
6/21	12:55 PM	152	44.7	435	613	-0.88	24,178.59	6,395,244	6,669	424	409	60,831	90,701	120,571										
6/21	8:55 PM	152	44	425	600	-0.87	24,186.55	6,398,615	3,371	423	409	57,460	87,330	117,200										
6/22	1:10 PM	150	45	425	601	-0.88	24,202.77	6,405,494	6,879	424	409	50,581	80,451	110,321	1.10	45.9								
6/22	9:10 PM	150	45	425	602	-0.88	24,210.76	6,408,882	3,388	424	409	47,193	77,063	106,933										
6/23	8:15 PM	155	43	426	600	-0.87	24,233.81	6,418,652	9,770	424	409	37,423	67,293	97,163										
6/24	7:55 AM	155	43	428	610	-0.88	24,245.49	6,423,648	4,996	428	409	32,427	62,297	92,167	1.02	40.6								
6/24	8:35 PM	155	42.6	422	593	-0.87	24,258.27	6,429,029	5,381	421	409	27,046	56,916	86,786										
6/25	8:15 PM	158	42.3	425	597	-0.87	24,281.90	6,439,004	9,975	422	409	17,071	46,941	76,811	1.00	39.4								
6/26	9:55 AM	155	42.7	428	613	-0.86	24,295.59	6,444,743	5,739	419	409	11,332	41,202	71,072										
6/26	7:35 PM	155	44	431	605	-0.85	24,305.25	6,448,891	4,148	429	410	7,184	37,054	66,924	1.00	39.4								
6/27	11:57 AM						24,321.57	6,455,717	6,826	418	409	358	30,228	60,098										
6/27	1:10 PM	150	44	420	594	-0.85	24,322.78	6,456,219	502	415	409	-	29,726	59,596										
6/27	8:30 PM	150	43.5	414	608	-0.85	24,330.14	6,459,260	3,041	413	409	-	26,685	56,555										
6/28	9:20 AM	155	43	421	602	-0.86	24,343.33	6,464,759	5,499	417	409	-	21,186	51,056	0.94	35.7								
6/28	6:40 PM	150	42	420	593	-0.86	24,352.31	6,468,524	3,765	419	409	-	17,421	47,291										
6/29	11:10 AM	155	43	424	603	-0.86	24,368.78	6,475,497	6,973	423	409	-	10,448	40,318										
6/29	7:55 PM	152	43	422	596	-0.86	24,377.52	6,479,159	3,662	419	409	-	6,786	36,656										
6/30	8:20 AM	150	41.5	413	590	-0.86	24,389.95	6,484,300	5,141	414	409	-	1,645	31,515										
6/30	9:20 PM	152	41.3	400	570	-0.86	24,40																	

JULY 2018				Total Days 31	Delivery Estimate: Total Delivery this month:					276,000 kWh 269,498 kWh		Actual kW del. to RMP: variance:		261660 2.91%		Meter @ July 1st	6,490,676 kWh 24,405.64 Hr	Wht to deliver % 261,413	Hours to date this month Hours remaining this month					742.23 (0.06)	Acc'd req. to reach estimate
				744	less 3mths:					261,413 kWh						Wht to 100% July to 100%	Wht to 110% plus 3%	C.R. Weir	C.R. Weir	M.C. Weir	Hrs off line	Comments	90% O kWh 100% O kWh	0 kWh	
Date	Time	Head Ft.	Feet	meter	Gen. kW	Gen. Amps	Gen. Perf.	Gen. Total Hrs.	Gen. Total kWh	kW since last reading	Ave. kWh since last reading	Ave. kWh month to date, less 3%	kWh to 90% plus 3%	kWh to 100% plus 3%	kWh to 110% plus 3%	C.R. Weir ft.	C.R. Weir ft.	M.C. Weir ft.	Hrs off line	Comments	90% O kWh 100% O kWh	0 kWh			
7/1	12:00 AM							24,405.64	6,490.676	-	0	-	255,852	284,280	312,708										
7/1	8:20 PM	150	41	404	572	-0.85	24,425.94	6,498.740	8,064	397	385	247,788	276,216	304,644	0.84	29.8	-	-	-	-	B.s.89.7%;T.s.59.5%;h2o55";set @ 54.5"				
7/2	12:20 PM	150	41	400	568	-0.85	24,442.00	6,505.239	6,499	405	388	241,289	269,717	298,145	0.84	29.8	-	-	-	-	B.s.89.9%;T.s.57.3%;h2o54.7";set @ 54"				
7/2	5:40 PM	147	42	407	581	-0.86	24,447.27	6,507.373	2,134	405	389	239,155	267,583	296,011	-	-	-	-	-	-	B.s.89.8%;T.s.68.2%;h2o54"				
7/3	10:10 AM	145	44	416	594	-0.86	24,463.75	6,514,154	6,781	411	392	232,374	260,802	289,230	-	-	-	-	-	-	B.s.89.7%;T.s.76.1%;h2o50";se @ 50"				
7/3	8:40 PM	145	45	418	594	-0.86	24,474.31	6,518,564	4,410	418	394	227,964	256,392	284,820	-	-	-	-	-	-	B.s.89.5%;T.s.80%;h2o50"				
7/4	11:15 AM	145	46	422	605	-0.86	24,488.89	6,524,711	6,147	422	397	221,817	250,245	278,673	0.79	27.0	-	-	-	-	B.s.90.2%;T.s.77.8%;h2o49.9"				
7/4	7:00 PM	150	42.5	419	592	-0.85	24,496.70	6,528,027	3,316	425	398	218,501	246,929	275,357	-	-	-	-	-	-	B.s.90.2%;T.s.66.7%;h2o49.5"				
7/5	7:40 PM	150	42.6	418	592	-0.85	24,521.29	6,538,345	10,318	420	400	208,183	236,611	265,039	-	-	-	-	-	-	B.s.89.6%;T.s.65.2%;h2o49"				
7/6	7:40 AM	150	43.5	418	595	-0.86	24,533.32	6,543,327	4,982	414	400	203,201	231,629	260,057	0.79	27.0	-	-	-	-	B.s.89.7%;T.s.64.9%;h2o49.3"				
7/6	9:25 PM	152	42	421	597	-0.86	24,547.08	6,548,843	5,516	401	399	197,685	226,113	254,541	-	-	-	-	-	-					
7/7	8:45 AM	151	43	423	603	-0.86	24,558.43	6,553,707	4,864	429	400	192,821	221,249	249,677	-	-	-	-	-	-					
7/7	9:10 PM	153	44	429	605	-0.86	24,570.84	6,558,917	5,210	420	401	187,611	216,039	244,467	-	-	-	-	-	-					
7/8	8:55 AM	152	44	428	607	-0.86	24,582.53	6,563,831	4,914	420	401	182,697	211,125	239,553	0.70	23.2	-	-	-	-	Set h2o level @ 49.75"				
7/8	8:20 PM	164	40	416	582	-0.85	24,594.02	6,568,596	4,765	415	401	177,932	206,360	234,788	-	-	-	-	-	-	Set h2o level @ 50.25"				
7/9	8:40 PM	167	37	393	559	-0.84	24,618.31	6,578,414	9,818	404	400	168,114	196,542	224,970	0.68	21.2	-	-	-	-					
7/10	7:15 AM	166	36	390	560	-0.86	24,638.92	6,582,542	4,128	389	399	163,986	192,414	220,842	-	-	-	-	-	-					
7/10	9:45 PM	166	36.8	391	552	-0.85	24,643.40	6,588,084	5,542	383	397	158,444	186,872	215,300	0.66	20.3	-	-	-	-	Set h2o level @ 52"				
7/11	10:50 AM	173	35	383	548	-0.85	24,656.54	6,593,216	5,132	391	396	153,312	181,740	210,168	0.64	19.3	-	-	-	-	Inj. 2.21 cfs @ Ransom spill				
7/12	7:45 AM	166	36	393	570	-0.86	24,677.42	6,600,814	7,598	364	393	145,714	174,142	202,570	-	-	-	-	-	-	Inj. 3 cfs @ Whitney Spill				
7/14	9:10 AM	174	34	381	547	-0.86	24,726.81	6,619,072	18,258	370	388	127,456	155,884	184,312	-	-	-	-	-	-	Whitney spill off				
7/14	5:55 PM	182	32	368	529	-0.84	24,735.59	6,622,491	3,419	389	388	124,037	152,465	180,893	0.50	13.0	-	-	-	-					
7/15	9:10 AM	180	32	366	522	-0.85	24,750.82	6,627,905	5,414	355	386	118,623	147,051	175,479	-	-	-	-	-	-					
7/15	8:00 PM	180	34	389	549	-0.84	24,761.62	6,631,978	4,073	377	385	114,550	142,978	171,406	-	-	-	-	-	-					
7/16	7:50 AM	180	36	408	588	-0.85	24,773.53	6,636,733	4,755	399	385	109,795	138,223	166,651	-	-	-	-	-	-					
7/16	8:30 PM	180	34.5	385	551	-0.86	24,786.23	6,641,728	4,995	393	385	104,800	133,228	161,656	-	-	-	-	-	-					
7/17	7:40 AM	180	33	378	542	-0.85	24,797.31	6,645,928	4,700	379	384	100,600	129,028	157,456	-	-	-	-	-	-					
7/17	8:15 PM	183	31	353	507	-0.84	24,809.94	6,650,611	4,683	371	384	95,917	124,345	152,773	-	-	-	-	-	-	Set h2o level @ 53.5"				
7/18	9:00 PM	185	30.5	347	496	-0.85	24,834.70	6,659,389	8,778	355	381	87,139	115,567	143,955	-	-	-	-	-	-	set h2o level @ 55"				
7/19	12:19 PM	185	31.4	352	519	-0.84	24,850.00	6,664,745	5,356	350	380	81,783	110,211	138,639	0.50	13.0	-	-	-	-	Whitney spill on, 2 cfs				
7/19	2:30 PM	183	30	351	504	-0.84	24,852.23	6,665,521	776	348	380	81,007	109,435	137,863	0.50	13.0	-	-	-	-					
7/20	12:40 PM	180	32.5	368	527	-0.86	24,874.32	6,673,280	7,759	351	378	73,248	101,676	130,104	-	-	-	-	-	-					
7/20	9:10 PM	180	32.5	368	528	-0.85	24,882.84	6,676,414	3,134	368	378	70,114	98,542	126,970	0.50	13.0	-	-	-	-					
7/21	10:30 AM	180	34	397	565	-0.86	24,896.19	6,681,402	4,988	374	377	65,126	93,554	121,982	-	-	-	-	-	-	1.8 Off 11:40 am-1:30 pm;low HCM oil press.				
7/21	7:30 PM	182	31	383	550	-0.85	24,903.32	6,684,177	2,775	389	377	62,351	90,779	119,207	-	-	-	-	-	-					
7/22	8:10 AM	180	34	405	578	-0.86	24,916.03	6,689,150	4,973	391	377	57,378	85,806	114,234	-	-	-	-	-	-					
7/22	8:50 PM	180	34	396	564	-0.85	24,928.67	6,694,260	5,110	404	378	52,268	80,696	109,124	-	-	-	-	-	-					
7/23	12:35 PM	180	35	406	581	-0.85	24,944.47	6,700,625	6,365	403	378	45,903	74,331	102,759	-	-	-	-	-	-					
7/23	8:00 PM	183	32.5	378	537	-0.84	24,951.90	6,703,606	2,981	401	378	42,922	71,350	99,778	0.44	10.6	-	-	-	-	Whitney spill off				
7/24	7:20 AM	185	30.5	365	527	-0.86	24,963.11	6,707,730	4,124	368	378	38,798	67,226	95,654	0.39	8.7	-	-	-	-	dwn 1.9 cfs; -33 kW				
7/24	7:25 PM	187	28.5	350	505	-0.83	24,975.23	6,712,196	4,466	368	377	34,332	62,760	91,188	0.29	5.4	-	-	-	-	dwn 3.3 cfs; -40 kW				
7/25	7:40 AM	190	26	326	480	-0.84	24,987.56	6,716,424	4,228	343	376	30,104	58,532	86,960	0.29	5.4	-	-	-	-	Fairview Spill off				
7/25	8:45 PM	193	23.5	299	431	-0.82	25,000.62	6,720,579	4,155	318	375	25,949	54,377	82,805	-	-	-	-	-	-	Cub River out				
7/26	2:00 PM	193	21	275	410	-0.82	25,017.86	6,725,541	4,962	288	372	20,987	49,415	77,843	-	-	-	-	-	-					
7/27	11:34 AM	193	16.9	260	401	-0.81	25,039.37	6,731,045	5,504	256	368	15,483	43,911	72,339	-	-	-	-	-	-					
7/27	8:27 PM	195	15.4	244	386	-0.8	25,048.27	6,733,283	2,238	251	366	13,245	41,673	70,101	-	-	-	-	-	-					
7/28	9:58 AM	195	14.5	260	397	-0.8	25,061.79	6,736,761	3,478	257	364	9,767	38,195	66,623	-	-	-	-	-	-					
7/28	7:09 PM	193	15.2	270	403	-0.8	25,070.97	6,739,239	2,478	270	362	7,289	35,717	64,145	-	-	-	-	-	-					
7/29	12:18 PM	193	14.6	270	415	-0.82	25,088.10	6,743,921	4,682	273	360	2,607	31,035	59,463	-	-	-	-	-	-					
7/30	10:38 AM	193	13.6	280	420	-0.83	25,110.45	6,750,044	6,123	274	357	-	24,912	53,340	-	-	-	-	-	-					
7/30	7:26 PM	192	12.2	255	394	-0.79	25,119.25	6,752,437	2,393	272	356	-	22,519	50,947	-	-	-	-	-	-					
7/31	7:00 AM	195	13.6	277	418	-0.84	25,131.06	6,755,546	3,109	263	354	-	19,410	47,838	-	-	-	-	-	-					
7/31	12:00 AM	194	11.9	268	408	-0.82	25,147.87	6,760,174	4,628	275	352	-	14,782	43,210	-	-	-	-	-	-					
												0	-	14,782	43,210	-	-	-	-	-					
												0	-	14,782	43,210	-	-	-	-	-					
												0	-	14,782	43,210	-	-	-	-	-					
												0	-	14,782	43,210	-	-	-	-	-					
												0	-	14,782	43,210	-	-	-	-	-					
												0	-	14,782	43,210	-	-	-	-	-					
												0	-	14,782	43,210	-	-	-	-	-					
												0	-	14,782	43,210	-	-	-	-	-					

JUNE 2019			total days	Delivery Estimate: 320,000 kWh					Actual kW del. to RMP:			295,909		8,292,739 kWh		kWh < 90%	-		Hours to date this month: 714.09		Av. kW req. to reach estimate		
			30	Total Delivery this month: 304,806 kWh					variance:			2.92%		Meter @ June 1: 31,909.31		Hr	kWh > 110%	0		Hours remaining this month: (0.09)		90% 0 kW	100% 0 kW
Date	Time	Head Ft.	Meter cfs	Gen. kW	Gen. Amps	Gen. PF	Gen. Total Hrs.	Gen. Total kWh	kW since last reading	Ave. kWh since last reading	Ave. kWh month to date, less 3%	kWh to 90% plus 3%	kWh to 100% plus 3%	kWh to 110% plus 3%	C.R. Weir ft.	C.R. Weir cfs	M.C. Weir ft.	M.C. Weir cfs	Hrs. off line	Comments	100% 0 kW	110% 0 kW	
6/1	12:00 AM							31,909.31	8,292,739		0	296,640	329,600	362,560	0.54	14.7	1.100	18.6					
6/1	7:10 AM	180	26	357	518	-0.86	31,916.47	8,295,317	2,578	360	349	294,062	327,022	359,982	-	-	-	-					
6/1	8:15 PM	169	30	390	556	-0.85	31,929.60	8,300,172	4,855	370	355	289,207	322,167	355,127	-	-	-	-					
6/2	7:20 AM	174	29	389	558	-0.86	31,940.64	8,304,460	4,288	388	363	284,919	317,879	350,839	-	-	-	-					
6/2	6:10 PM	174	31	396	562	-0.85	31,951.45	8,308,743	4,283	396	368	280,636	313,596	346,556	1	15.6	1.295	24.1					
6/3	12:15 PM	174	30	394	563	-0.85	31,969.60	8,316,001	7,258	400	374	273,378	306,338	339,298	-	-	-	-					
6/3	7:10 PM	178	29.4	398	568	-0.86	31,976.49	8,318,737	2,736	397	375	270,642	303,602	336,562	-	-	-	-					
6/4	7:10 AM	180	29.5	400	575	-0.86	31,988.59	8,323,520	4,783	395	377	265,859	298,819	331,779	-	-	-	-					
6/4	6:10 PM	174	32	414	594	-0.86	31,999.51	8,327,932	4,412	404	378	261,447	294,407	327,367	0.40	9.1	1.420	27.8		Trash in C.R. headgate			
6/5	9:45 AM	182	29	383	550	-0.86	32,014.99	8,334,235	6,303	407	381	255,144	288,104	321,064	0.66	20.3	1.423	27.9		Clean headgate			
6/5	6:00 PM	165	38	426	605	-0.85	32,023.37	8,337,549	3,314	395	381	251,830	284,790	317,750	-	-	-	-					
6/6	12:32 PM	170	37.5	423	605	-0.86	32,041.85	8,345,402	7,853	425	385	243,977	276,937	309,897	-	-	-	-					
6/6	6:09 PM	175	35.8	416	592	-0.84	32,047.44	8,347,746	2,344	419	386	241,633	274,593	307,553	-	-	-	-		THUNDER STORMS			
6/7	10:24 AM	175	34.7	410	585	-0.86	32,063.69	8,354,413	6,667	410	388	234,966	267,926	300,886	0.63	18.8	-	-		raised C.R. back to 63			
6/7	8:00 PM						32,063.69	8,354,413		0	380	234,966	267,926	300,886	-	-	-	-	3.2	power off started up at 8:30 pm			
6/8	6:44 AM	176	36	410	588	-0.86	32,080.53	8,361,400	6,987	415	382	227,979	260,939	293,899	-	-	-	-					
6/8	6:33 AM	175	38	412	588	-0.86	32,092.52	8,366,250	4,850	405	383	223,129	256,089	289,049	0.60	17.4	-	-		raised C.R. back to 60			
6/9	8:20 AM	183	34	398	566	-0.85	32,106.38	8,371,819	5,569	402	383	217,560	250,520	283,480	-	-	-	-					
6/9	8:35 PM	160	43	433	611	-0.86	32,118.64	8,376,731	4,912	401	383	212,648	245,608	278,568	0.66	20.3	-	-					
6/10	12:40 PM	164	40	432	617	-0.86	32,134.66	8,383,678	6,947	434	386	205,701	238,661	271,621	-	-	-	-	1.493	30.11			
6/10	9:00 PM	162	40	433	615	-0.86	32,143.11	8,387,345	3,667	434	387	202,034	234,994	267,954	-	-	-	-					
6/11	10:39 AM	165	40	436	620	-0.85	32,156.64	8,393,240	5,895	436	389	196,139	229,099	262,059	0.66	20.3	-	-					
6/11	2:05 PM	165	40	437	620	-0.86	32,160.09	8,394,756	1,516	439	390	194,623	227,583	260,543	-	-	-	-					
6/11	7:15 PM	167	40	439	622	-0.86	32,165.23	8,397,007	2,251	438	390	192,372	225,332	258,292	-	-	-	-					
6/12	8:50 AM	165	40	440	620	-0.87	32,176.18	8,401,799	4,792	438	388	187,580	220,540	253,500	-	-	-	-	1.492	30.1	2.8 Off 6:40 am, Grid unhealthy, failed to synch; On 8:49am		
6/12	6:45 PM	162	40	438	618	-0.85	32,186.17	8,406,159	4,360	436	389	183,220	216,180	249,140	0.66	20.3	-	-					
6/13	10:41 AM	162	40.5	432	620	-0.86	32,202.00	8,413,004	6,845	432	391	176,375	209,335	242,295	-	-	-	-	1.506	30.5			
6/13	4:45 PM	163	40.5	438	615	-0.86	32,208.05	8,415,644	2,640	436	391	173,735	206,695	239,655	-	-	-	-					
6/14	5:45 AM	162	40	436	623	-0.86	32,221.15	8,421,344	5,700	435	392	168,035	200,995	233,955	-	-	-	-					
6/14	7:16 PM	165	40	439	622	-0.86	32,234.68	8,427,238	5,894	436	394	162,141	195,101	228,061	-	-	-	-					
6/15	8:20 AM	158	41	437	616	-0.86	32,247.74	8,432,955	5,717	438	395	156,424	189,384	222,344	-	-	-	-					
6/15	9:00 PM	170	38	440	626	-0.86	32,260.45	8,438,543	5,588	440	396	150,836	183,796	216,756	-	-	-	-					
6/16	8:00 AM	168	39	437	619	-0.86	32,271.36	8,443,333	4,790	439	397	146,046	179,006	211,966	-	-	-	-					
6/16	11:20 AM	167	39.3	439	620	-0.86	32,274.65	8,444,790	1,457	443	397	144,589	177,549	210,509	-	-	-	-					
6/16	8:45 PM	169	39	438	614	-0.86	32,284.11	8,448,396	3,606	381	397	140,983	173,943	206,903	-	-	-	-					
6/17	7:10 AM	169	38	437	622	-0.86	32,294.48	8,453,482	5,086	490	399	135,897	168,857	201,817	1.00	39.4	1.510	30.7					
6/17	6:50 PM	170	38	438	623	-0.85	32,306.31	8,458,629	5,147	435	399	130,750	163,710	196,670	-	-	-	-	1.51	30.7			
6/18	11:35 PM	170	38.8	438	630	-0.86	32,322.99	8,465,980	7,351	441	400	123,399	156,359	189,319	-	-	-	-	1.51	30.5			
6/18	7:40 PM	170	38	438	620	-0.89	32,331.01	8,469,499	3,519	439	401	119,880	152,840	185,800	-	-	-	-	1.49	30.0			
6/19	12:30 PM	170	39	440	619	-0.85	32,347.73	8,476,845	7,346	439	402	112,534	145,494	178,454	-	-	-	-	1.49	29.9			
6/19	5:30 PM	170	39	440	624	-0.86	32,352.76	8,479,062	2,217	441	402	110,317	143,277	176,237	1.14	48.6	1.54	31.7					
6/20	11:00 AM	170	38.7	440	618	-0.86	32,370.40	8,486,821	7,759	440	403	102,558	135,518	168,478	-	-	-	-	1.54	31.6			
6/20	5:20 PM	170	38	439	622	-0.86	32,376.71	8,489,599	2,778	440	403	99,780	132,740	165,700	-	-	-	-	1.53	31.2			
6/21	10:45 AM	170	38.5	435	618	-0.87	32,394.15	8,497,228	7,629	437	404	92,151	125,111	158,071	-	-	-	-	1.53	31.2			
6/21	6:35 PM	170	39	439	624	-0.86	32,401.95	8,500,661	3,433	440	404	88,718	121,678	154,638	-	-	-	-	1.53	31.2			
6/22	8:15 AM	170	38.5	440	620	-0.86	32,415.62	8,506,661	6,000	439	405	82,718	115,678	148,638	-	-	-	-	1.54	31.6			
6/22	9:00 PM	172	38	438	620	-0.85	32,428.45	8,512,294	5,633	439	406	77,085	110,045	143,005	-	-	-	-	1.52	30.9			
6/23	8:50 AM	172	38.2	438	621	-0.86	32,440.24	8,517,462	5,168	438	406	71,917	104,877	137,837	1.37	65.2	1.51	30.7					
6/23	7:40 PM	170	38	438	622	-0.86	32,451.12	8,522,237	4,775	439	406	67,142	100,102	133,062	1.37	65.2	1.51	30.8					
6/24	7:25 AM	170	39	436	620	-0.87	32,462.79	8,527,363	5,126	439	407	62,016	94,976	127,936	1.44	70.6	1.51	30.8					
6/24	6:40 PM	172	38.5	437	620	-0.86	32,474.04	8,532,319	4,956	441	407	57,060	90,020	122,980	-	-</							

JUNE 2021			total days		Delivery Estimate:				235,000 kWh		Actual kW del. to RMP:				265,051		1,647,569 kWh		kWh @ 90%		-		Hours to date this month: 771.90				Av. kW req. to reach estimate			
			30		Total Delivery this month:				270,231 kWh		variance:				1.92%		Meter @ June 1:		43,425.00		Hr		266,064.50		Hours remaining this month: (51.90)				90% 0 kW 100% 0 kW 110% 0 kW	
Date	Time	Head Ft.	Meter cfs	Gen. kW	Gen. Amps	Gen. PF	Gen. Total Hrs.	Gen. Total kWh	kW since last reading	Ave. kWh since last reading	Ave. kWh month to date, less 3%	kWh to 90% plus 3%	kWh to 100 % plus 3%	kWh to 110% plus 3%	C.R. Weir ft.	C.R. Weir cfs	M.C. Weir ft.	M.C. Weir cfs	Hrs. off line	Comments										
6/1	9:05 AM	140	41.2	404	578	0.85	43,485.93	1,647,759	191	3	3	217,655	241,860	266,065	1.25	56.3	1,500	30.3												
6/2	9:33 AM	140	41.8	397	570	0.85	43,510.43	1,657,546	9,787	399	113	207,868	232,073	256,278			-	1,500	30.3											
6/4	7:11 AM	142	41	384	552	0.85	43,556.00	1,675,220	17,674	388	205	190,194	214,399	238,604			-	1,500	30.3											
6/5	10:14 AM	150		395	558	-0.85	43,583.09	1,685,523	10,303	380	233	179,891	204,096	228,301			-	1,500	30.3											
6/7	12:35 PM	138	42.7	387	554	-0.85	43,633.49	1,704,594	19,071	378	265	160,820	185,025	209,230			-	1,505	30.5											
6/7	8:30 PM	138	42.2	380	541	-0.85	43,641.31	1,707,593	2,999	384	269	157,821	182,026	206,231			-	1,505	30.5											
6/8	4:00 PM	140	42.6	390	558	-0.85	43,660.87	1,715,081	7,488	383	278	150,333	174,538	198,743			-	1,500	30.3											
6/9	7:55 AM	137	41.5	376	548	-0.85	43,676.83	1,721,162	6,081	381	283	144,252	168,457	192,662			-	1,492	30.1											
6/9	9:00 PM	140	42.2	392	561	-0.85	43,689.91	1,726,146	4,984	381	288	139,268	163,473	187,678			-	1,492	30.1											
6/10	4:15 PM	141	42.3	406	577	-0.85	43,709.11	1,733,725	7,579	395	294	131,689	155,894	180,099			-	1,489	30.0											
6/11	12:05 PM	142	42.8	409	586	-0.86	43,729.00	1,741,752	8,027	404	301	123,662	147,867	172,072	1.24	55.6	1,481	29.7												
6/12	7:55 AM	140	41.9	402	575	-0.87	43,748.76	1,749,685	7,933	401	306	115,729	139,934	164,139			-	1,486	29.9											
6/13	8:20 AM	140	42	393	566	-0.85	43,773.29	1,759,484	9,799	399	312	105,930	130,135	154,340			-	1,486	29.9											
6/14	8:05 AM	143	42	410	584	-0.85	43,797.00	1,769,039	9,555	403	317	96,375	120,580	144,785			-	1,487	29.9											
6/14	6:00 PM	144	42	410	577	-0.84	43,806.86	1,773,082	4,043	410	319	92,332	116,537	140,742			-	1,489	30.0											
6/15	10:45 AM	145	42	416	590	-0.85	43,823.66	1,780,000	6,918	412	322	85,414	109,619	133,824			-	1,495	30.2											
6/15	8:25 PM	144	42.2	411	581	-0.84	43,833.26	1,783,958	3,958	412	324	81,456	105,661	129,866	1.04	41.9	1,490	30.0												
6/16	8:50 PM	145	41.2	412	585	-0.85	43,857.77	1,794,082	10,124	413	328	71,332	95,537	119,742	0.90	33.3	1,485	29.9												
6/17	12:25 PM	145	41.3	414	581	-0.85	43,873.36	1,800,532	6,450	414	331	64,882	89,087	113,292			-	1,484	29.8											
6/18	12:25 PM	144	41.5	408	588	-0.86	43,897.37	1,810,319	9,787	408	334	55,095	79,300	103,505			-	1,487	29.92											
6/19	11:45 AM	150	40	419	597	-0.85	43,920.65	1,820,015	9,696	416	337	45,399	69,604	93,809			-	1,490	30.0											
6/20	8:00 AM	155	38	415	612	-0.83	43,940.89	1,828,474	8,459	418	340	36,940	61,145	85,350			-	1,417	27.7											
6/20	8:00 PM	165	36	412	597	-0.82	43,952.93	1,833,467	4,993	415	342	31,947	56,152	80,357			-	1,412	27.6											
6/21	1:20 PM	165	35	406	592	-0.82	43,970.28	1,840,592	7,125	411	343	24,822	49,027	73,232			-	1,372	26.4											
6/22	8:20 AM	169	33.6	396	583	-0.83	43,989.88	1,848,132	7,540	385	344	17,282	41,487	65,692			-	1,371	26.3											
8/23	8:10 PM	170	32	394	573	-0.82	44,025.05	1,862,212	14,080	400	347	3,202	27,407	51,612			-	1,330	25.1											
6/24	10:50 AM	173	31	385	568	-0.83	44,039.76	1,867,752	5,540	377	347	-	21,867	46,072			-	1,314	24.6											
6/25	10:50 AM	180	27	342	515	-0.82	44,063.79	1,876,185	8,433	351	347	-	13,434	37,639			-	1,245	22.6											
6/26	6:45 AM	176	27	359	539	-0.82	44,083.64	1,883,022	6,837	344	347	-	6,597	30,802			-	1,294	24.0											
6/27	8:50 AM	180	26	330	504	-0.82	44,109.75	1,892,067	9,045	346	346	-	-	21,757			-	1,290	23.9											
6/28	4:25 PM	183	23	308	472	-0.79	44,131.37	1,902,598	10,531	487	350	-	-	11,226			-	1,181	20.8											
6/29	1:00 PM	185	21	282	440	-0.78	44,162.02	1,908,820	6,222	203	344	-	-	5,004			-	1,192	21.1											
6/30	9:00 AM	190	19	270	429	-0.78	44,181.91	1,914,194	5,374	270	342	-	-	-			-	1,092	18.4											
6/30	12:00 AM	193	14.7	213	365	-0.72	44,196.90	1,917,799	3,605	240	340	-	-	-			-	1,087	18.3											
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JUNE 2019			total days	Delivery Estimate: 320,000 kWh						Actual kW del. to RMP:		295,909		Meter @ June 1:	8,292,739 kWh		kWh < 90%	-	Hours to date this month: 714.09	Av. kW req. to reach estimate		
			30	Total Delivery this month: 304,806 kWh						variance:		2.92%		31,909.31	Hr	kWh to 110%	0	Hours remaining this month: (0.09)	90% 0 kW			
Date	Time	Head Ft.	Meter cfs	Gen. kW	Gen. Amps	Gen. PF	Gen. Total Hrs.	Gen. Total kWh	kW since last reading	Ave. kWh since last reading	Ave. kWh month to date, less 3%	kWh to 90% plus 3%	kWh to 100% plus 3%	kWh to 110% plus 3%	C.R. Weir ft.	C.R. Weir cfs	M.C. Weir ft.	M.C. Weir cfs	Hrs. off line	Comments	100% 0 kW	110% 0 kW
6/1	12:00 AM						31,909.31	8,292,739	0	-	296,640	329,600	362,560	0.54	14.7	1.100	18.6					
6/1	7:10 AM	180	26	357	518	-0.86	31,916.47	8,295,317	2,578	360	349	294,062	327,022	359,982	-	1.145	19.8					
6/1	8:15 PM	169	30	390	556	-0.85	31,929.60	8,300,172	4,855	370	355	289,207	322,167	355,127	-	1.220	21.9					
6/2	7:20 AM	174	29	389	558	-0.86	31,940.64	8,304,460	4,288	388	363	284,919	317,879	350,839	-	1.225	22.0					
6/2	6:10 PM	174	31	396	562	-0.85	31,951.45	8,308,743	4,283	396	368	280,636	313,596	346,556	1	15.6	1.295	24.1				
6/3	12:15 PM	174	30	394	563	-0.85	31,969.60	8,316,001	7,258	400	374	273,378	306,338	339,298	-	1.332	25.2					
6/3	7:10 PM	178	29.4	398	568	-0.86	31,976.49	8,318,737	2,736	397	375	270,642	303,602	336,562	-	1.382	26.7					
6/4	7:10 AM	180	29.5	400	575	-0.86	31,988.59	8,323,520	4,783	395	377	265,859	298,819	331,779	-	1.393	27.0					
6/4	6:10 PM	174	32	414	594	-0.86	31,999.51	8,327,932	4,412	404	378	261,447	294,407	327,367	0.40	9.1	1.420	27.8		Trash in C.R. headgate		
6/5	9:45 AM	182	29	383	550	-0.86	32,014.99	8,334,235	6,303	407	381	255,144	288,104	321,064	0.66	20.3	1.423	27.9		Clean headgate		
6/5	6:00 PM	165	38	426	605	-0.85	32,023.37	8,337,549	3,314	395	381	251,830	284,790	317,750	-	-	-					
6/6	12:32 PM	170	37.5	423	605	-0.86	32,041.85	8,345,402	7,853	425	385	243,977	276,937	309,897	-	-	-					
6/6	6:09 PM	175	35.8	416	592	-0.84	32,047.44	8,347,746	2,344	419	386	241,633	274,593	307,553	-	-	-			THUNDER STORMS		
6/7	10:24 AM	175	34.7	410	585	-0.86	32,063.69	8,354,413	6,667	410	388	234,966	267,926	300,886	0.63	18.8	-			raised C.R. back to 63		
6/7	8:00 PM						32,063.69	8,354,413	-	0	380	234,966	267,926	300,886	-	-	-			power off started up at 8:30 pm		
6/8	6:44 AM	176	36	410	588	-0.86	32,080.53	8,361,400	6,987	415	382	227,979	260,939	293,899	-	-	-					
6/8	6:33 AM	175	38	412	588	-0.86	32,092.52	8,366,250	4,850	405	383	223,129	256,089	289,049	0.60	17.4	-			raised C.R.back to 60		
6/9	8:20 AM	183	34	398	566	-0.85	32,106.38	8,371,819	5,569	402	383	217,560	250,520	283,480	-	1.425	28.0					
6/9	8:35 PM	160	43	433	611	-0.86	32,118.64	8,376,731	4,912	401	383	212,648	245,608	278,568	0.66	20.3	-					
6/10	12:40 PM	164	40	432	617	-0.86	32,134.66	8,383,678	6,947	434	386	205,701	238,661	271,621	-	1.493	30.11					
6/10	9:00 PM	162	40	433	615	-0.86	32,143.11	8,387,345	3,667	434	387	202,034	234,994	267,954	-	-	-					
6/11	10:39 AM	165	40	436	620	-0.85	32,156.64	8,393,240	5,895	436	389	196,139	229,099	262,059	0.66	20.3	-					
6/11	2:05 PM	165	40	437	620	-0.86	32,160.09	8,394,756	1,516	439	390	194,623	227,583	260,543	-	-	-					
6/11	7:15 PM	167	40	439	622	-0.86	32,165.23	8,397,007	2,251	438	390	192,372	225,332	258,292	-	-	-					
6/12	8:50 AM	165	40	440	620	-0.87	32,176.18	8,401,799	4,792	438	388	187,580	220,540	253,500	-	1.492	30.1	2.8		Off 6:40 am,Grid unhealthly,failed to synch;On,8:49am		
6/12	6:45 PM	162	40	438	618	-0.85	32,186.17	8,406,159	4,360	436	389	183,220	216,180	249,140	0.66	20.3	-					
6/13	10:41 AM	162	40.5	432	620	-0.86	32,202.00	8,413,004	6,845	432	391	176,375	209,335	242,295	-	1.506	30.5					
6/13	4:45 PM	163	40.5	438	615	-0.86	32,208.05	8,415,644	2,640	436	391	173,735	206,695	239,655	-	-	-					
6/14	5:45 AM	162	40	436	623	-0.86	32,221.15	8,421,344	5,700	435	392	168,035	200,995	233,955	-	-	-					
6/14	7:16 PM	165	40	439	622	-0.86	32,234.68	8,427,238	5,894	436	394	162,141	195,101	228,061	-	-	-					
6/15	8:20 AM	158	41	437	616	-0.86	32,247.74	8,432,955	5,717	438	395	156,424	189,384	222,344	-	-	-					
6/15	9:00 PM	170	38	440	626	-0.86	32,260.45	8,438,543	5,588	440	396	150,836	183,796	216,756	-	-	-					
6/16	8:00 AM	168	39	437	619	-0.86	32,271.36	8,443,333	4,790	439	397	146,046	179,006	211,966	-	-	-					
6/16	11:20 AM	167	39.3	439	620	-0.86	32,274.65	8,444,790	1,457	443	397	144,589	177,549	210,509	-	-	-					
6/16	8:45 PM	169	39	438	614	-0.86	32,284.11	8,448,396	3,606	381	397	140,983	173,943	206,903	-	-	-					
6/17	7:10 AM	169	38	437	622	-0.86	32,294.48	8,453,482	5,086	490	399	135,897	168,857	201,817	1.00	39.4	1.510	30.7				
6/17	6:50 PM	170	38	438	623	-0.85	32,306.31	8,458,629	5,147	435	399	130,750	163,710	196,670	-	1.51	30.7					
6/18	11:35 PM	170	38.8	438	630	-0.86	32,322.99	8,465,980	7,351	441	400	123,399	156,359	189,319	-	1.51	30.5					
6/18	7:40 PM	170	38	438	620	-0.89	32,331.01	8,469,499	3,519	439	401	119,880	152,840	185,800	-	1.49	30.0					
6/19	12:30 PM	170	39	440	619	-0.85	32,347.73	8,476,845	7,346	439	402	112,534	145,494	178,454	-	1.49	29.9					
6/19	5:30 PM	170	39	440	624	-0.86	32,352.76	8,479,062	2,217	441	402	110,317	143,277	176,237	1.14	48.6	1.54	31.7				
6/20	11:00 AM	170	38.7	440	618	-0.86	32,370.40	8,486,821	7,759	440	403	102,558	135,518	168,478	-	1.54	31.6					
6/20	5:20 PM	170	38	439	622	-0.86	32,376.71	8,489,599	2,778	440	403	99,780	132,740	165,700	-	1.53	31.2					
6/21	10:45 AM	170	38.5	435	618	-0.87	32,394.15	8,497,228	7,629	437	404	92,151	125,111	158,071	-	1.53	31.2					
6/21	6:35 PM	170	39	439	624	-0.86	32,401.95	8,500,661	3,433	440	404	88,718	121,678	154,638	-	1.53	31.2					
6/22	8:15 AM	170	38.5	440	620	-0.86	32,415.62	8,506,661	6,000	439	405	82,718	115,678	148,638	-	1.54	31.6					
6/22	9:00 PM	172	38	438	620	-0.85	32,428.45	8,512,294	5,633	439	406	77,085	110,045	143,005	-	1.52	30.9					
6/23	8:50 AM	172	38.2	438	621	-0.86	32,440.24	8,517,462	5,168	438	406	71,917	104,877	137,837	1.37	65.2	1.51	30.7				
6/23	7:40 PM	170	38	438	622	-0.86	32,451.12	8,522,237	4,775	439	406	67,142	100,102	133,062	1.37	65.2	1.51	30.8				
6/24	7:25 AM	170	39	436	620	-0.87	32,462.79	8,527,363	5,126	439	407	62,016	94,976	127,936	1.44	70.6	1.51	30.8				
6/24	6:40 PM	172	38.5	437	620	-0.86	32,474.04	8,532,319	4,956	441	407	57,060	90,020	122,980	-	1.51	30.8					
6/25	9:55 AM	173	38	440	621	-0.86	32,489.27	8,539,010	6,691	439	408	50,369	83,329	116,289	-	1.51	30.7					
6/25	7:20 PM	165	40	446	630	-0.85	32,498.80	8,543,204	4,194	440	408	46,175	79,135	112,095	-	1.52	31.1					
6/26	2:30 PM	173	37.8	438	620	-0.85	32,517.85															

the prices to be paid for energy and capacity are just and reasonable and in the public interest, and that all of the costs incurred by [Rocky Mountain] for purchasing capacity and energy from CIC are legitimate expenses.” *Id.* at 3. Rocky Mountain anticipates CIC will achieve its commercial operation date before its effective date. *Id.*

STAFF COMMENTS

Staff reviewed the Application and attachments. Staff confirmed that the proposed rates are correct and that all other terms and conditions in the proposed Agreement are consistent with prior Commission Orders. Staff therefore recommended the Commission approve all of the Agreement’s terms and conditions and declare that all payments made by the Company to CIC to purchase power will be allowed as prudently incurred expenses for ratemaking purposes.

DISCUSSION AND FINDINGS

The Idaho Public Utilities Commission has jurisdiction over PacifiCorp, an electric utility, and the issues raised in this matter under the authority and power granted it under Title 61 of the Idaho Code and PURPA. The Commission has authority under PURPA and Federal Energy Regulatory Commission (FERC) regulations to set avoided costs, to order electric utilities to enter into fixed-term obligations for the purchase of energy from QFs, and to implement FERC rules.

The Commission has reviewed the record in this case, including the Application, the Agreement, and the comments of Commission Staff. We find that CIC is qualified to receive the non-levelized published avoided cost rates contained in the Agreement. We further find that the proposed Agreement contains acceptable contract provisions consistent with PURPA, FERC regulations, and this Commission’s prior Orders. We find it reasonable to allow payments made under the Agreement as prudently incurred expenses for ratemaking purposes.

ORDER

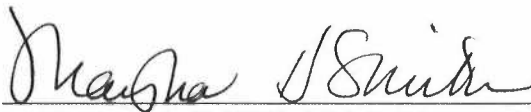
IT IS HEREBY ORDERED that PacifiCorp’s Application to approve its Power Purchase Agreement with CIC is approved without change or condition. We further declare that all payments made by PacifiCorp to CIC for purchases of energy will be allowed as prudently incurred expenses for ratemaking purposes.

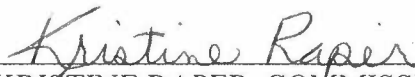
THIS IS A FINAL ORDER. Any person interested in this Order may petition for reconsideration within twenty-one (21) days of the service date of this Order. Within seven (7)

days after any person has petitioned for reconsideration, any other person may cross-petition for reconsideration. See *Idaho Code* § 61-626.

DONE by Order of the Idaho Public Utilities Commission at Boise, Idaho this 27th day of October 2015.


PAUL KJELLANDER, PRESIDENT


MARSHA H. SMITH, COMMISSIONER


KRISTINE RAPER, COMMISSIONER

ATTEST:


Jean D. Jewell
Commission Secretary

O:PAC-E-15-11_djh2