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Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

**Subject: Bigfork Hydroelectric Project, FERC No. P-2652
2019 Streamflow Monitoring Report**

Dear Ms. Bose:

The following information is provided to satisfy the annual stream flow reporting requirement for the Bigfork Hydroelectric Project. This report covers water year 2019, the period of October 1, 2018 to September 30, 2019.

License Article 401 requires that PacifiCorp document compliance with the run-of-river mode of operation. The Order Issuing New License documented that Bigfork is “a run-or-river project with little or no storage...”¹ The lack of appreciable storage precluded any operation mode except-run-of-river at the time the license was issued. To date, PacifiCorp has not performed any project modifications or upgrades that would permit load shaping activities (“peaking”). Accordingly, PacifiCorp continued to operate Bigfork run-of-river during the 2019 water year, in compliance with Article 401. PacifiCorp has no plans to increase storage and provide load shaping abilities in future years.

License Article 402 requires that PacifiCorp document compliance with the required minimum instream flow in the bypass reach. The year-round minimum instream flow is 70 cubic feet per second (cfs). Table 1 demonstrates that daily average bypass flows were consistently greater than 70 cfs during the 2019 water year, in compliance with Article 402.

License Article 403 requires that PacifiCorp document diligence in maintaining staff gages. The compliance point for the bypass reach minimum flow is located at a staff gage immediately downstream of the dam and intake structure on river left. This staff gage is read daily to ensure that the minimum required flow is being provided, and that the gage remains intact and undamaged. To maintain compliance with Article 403, operations personnel provide electronic reports to compliance personnel on a daily basis, documenting, in part, river stage, flow, and staff condition. The staff gage was documented as functional throughout water year 2019.

¹ In the Order Issuing New License for Project No. 2652-007, dated July 25, 2004, FERC stated that “PacifiCorp has no plans to increase project capacity or change project operations. The project’s hydraulic capacity of 600 cfs is exceeded by the discharge of the Swan River about 65 percent of the time. For a run-of-river project with little or no storage, I conclude that the project, as proposed by PacifiCorp, and with the modifications included in this license, represents a cost-effective plan for using the Swan River at this location” (page 14).

This letter and its enclosures have been filed electronically. The security classification of each component in this packet is shown in the Enclosure list below. According to the FERC eFiling requirements, two (2) complete printed copies of this filing have been transmitted to your office.

If you have questions pertaining to the data provided in this report, please contact Briana Weatherly at 503-813-7039 or briana.weatherly@pacificorp.com.

Sincerely,



Mark A. Sturtevant
Vice President, Renewable Resources

MAS:BW:km

Encl:	Letter – Public
	Table 1 - Swan River Daily Flow (CFS) below Bigfork Dam, WY2019 – Public

eFile:	Kimberly D. Bose, Secretary Via eLibrary at www.ferc.gov	hc:	Erich Gaedeke Federal Energy Regulatory Commission 805 SW Broadway, Suite 550 Portland, OR 97205
eMail:	Ben Conard, USFWS	eMail:	Leo Rosenthal, MFWP
eMail:	Thomas O'Keefe American Whitewater	eMail:	Aroscott Whiteman, USGS

Table 1. Swan River Daily Flow (CFS) below Bigfork Dam, WY2019

Flows developed from average or manual reading of gage height

Day	October	November	December	January	February	March	April	May	June	July	August	September
1	0	193	170	155	170	170	210	>228	>228	>228	135	111
2	0	193	>228	95	177	193	>228	>228	>228	>228	148	123
3	0	>228	170	148	210	>228	>228	>228	>228	>228	123	155
4	0	>228	185	193	185	>228	>228	>228	>228	>228	111	129
5	0	>228	228	177	>228	>228	>228	>228	>228	>228	123	106
6	0	>228	129	>228	162	>228	>228	>228	>228	>228	111	162
7	0	>228	117	170	201	>228	>228	>228	>228	>228	100	162
8	0	>228	135	123	>228	>228	>228	>228	>228	>228	106	170
9	0	>228	129	117	>228	>228	>228	>228	>228	>228	123	210
10	0	>228	142	>228	185	193	>228	>228	>228	>228	185	177
11	0	>228	123	>228	>228	201	>228	>228	>228	>228	>228	>228
12	0	>228	155	162	>228	210	>228	>228	>228	>228	142	>228
13	0	>228	185	129	>228	201	>228	>228	>228	>228	162	>228
14	0	>228	>228	117	219	177	>228	>228	>228	>228	111	>228
15	0	>228	219	117	185	148	>228	>228	>228	>228	106	106
16	0	>228	170	111	>228	155	>228	>228	>228	>228	148	123
17	0	>228	170	170	>228	142	>228	>228	>228	>228	162	142
18	0	>228	177	185	193	129	>228	>228	>228	>228	155	142
19	0	>228	>228	170	>228	129	>228	>228	>228	>228	106	>228
20	0	>228	>228	177	177	155	>228	>228	>228	>228	95	135
21	0	>228	177	193	162	177	>228	>228	>228	>228	106	>228
22	0	>228	106	201	193	>228	>228	>228	>228	>228	111	135
23	0	>228	148	219	210	193	>228	>228	>228	>228	177	129
24	0	>228	135	170	177	>228	>228	>228	>228	>228	210	177
25	0	>228	155	>228	>228	>228	>228	>228	>228	170	148	117
26	0	>228	162	>228	219	>228	>228	>228	>228	142	129	106
27	0	>228	162	>228	>228	>228	>228	>228	>228	>228	100	135
28	>228	185	148	219	193	185	>228	>228	>228	>228	111	155
29	177	177	185	185	>228	>228	>228	>228	>228	170	210	123
30	162	123	201	185	>228	>228	>228	>228	>228	135	129	148
31	162	170	170	129	>228	>228	>228	228	>228	123	148	

Units offline for annual maintenance, all flow in bypass
 Period of High Flows