



Barr River hydro scheme

Monthly report – July 2026

1 Summary

Generally low rainfall but better locally leading to above average generation.

2 Monthly generation & revenue

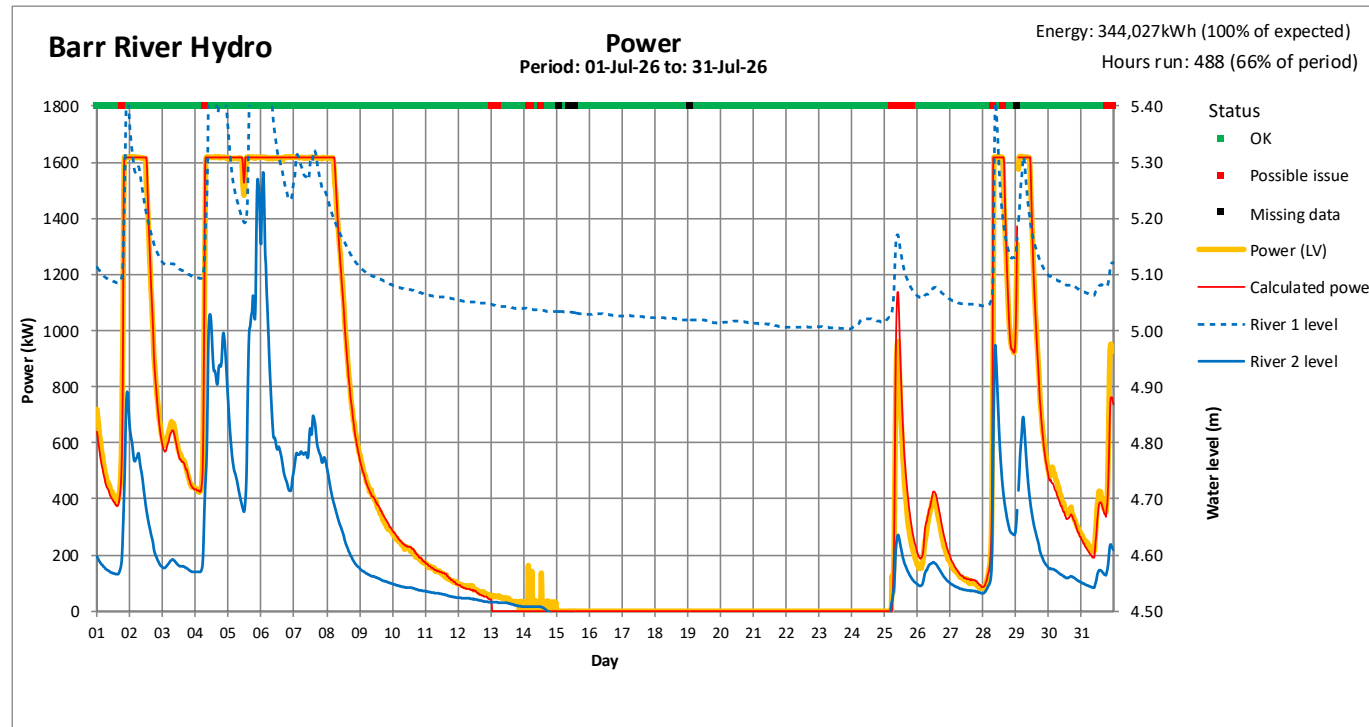
Parameter	Value
Actual generation (FIT meter), kWh	344,027
Average generation in month, kWh	213,315
Forecast generation in month (P50), kWh	195,146
Actual relative to forecast	176.3%
Rainfall relative to 1991-2020 average by month	67%
Calculated generation ¹ kWh	342,999
Actual relative to calculated generation, kWh	1,028
Actual relative to calculated generation, %	+0.3%
Approximate revenue in month ²	£56,438

¹ Calculated generation is based on river level data and seeks to establish the expected generation with no performance issues.

² Export revenue based on reported export and estimated GDUoS charges.

Export meter	Value
Export, kWh	340,288
Variance to generation, kWh	-3,739
Variance to generation, %	-1.1%

3 System reporting



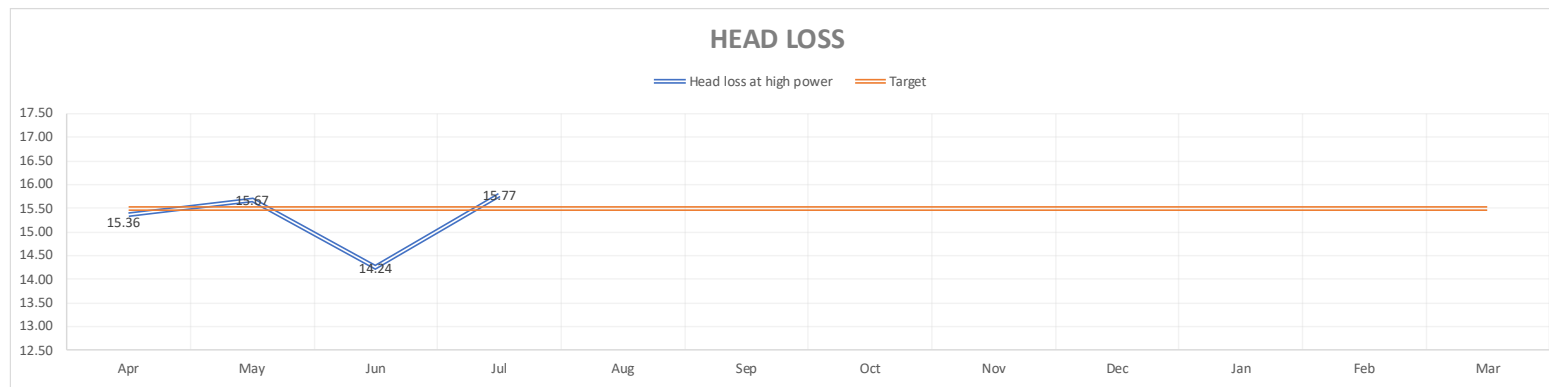
3.1 Scheme anomalies to calculated generation

Date/time	Details	Action required
Ongoing	Data outages still occurring	Emailed Jonathan Cox

3.2 Other system events

Date/time	Details	Action required
13/7/2026	Total Commander shareware software appeared on Scada PC.	Removed after checking with client, Chris Henshaw and Cink.
13/7/2026	Ambient temperature in panel 40C.	Monitor panel temperature

3.3 Head loss – limited data points

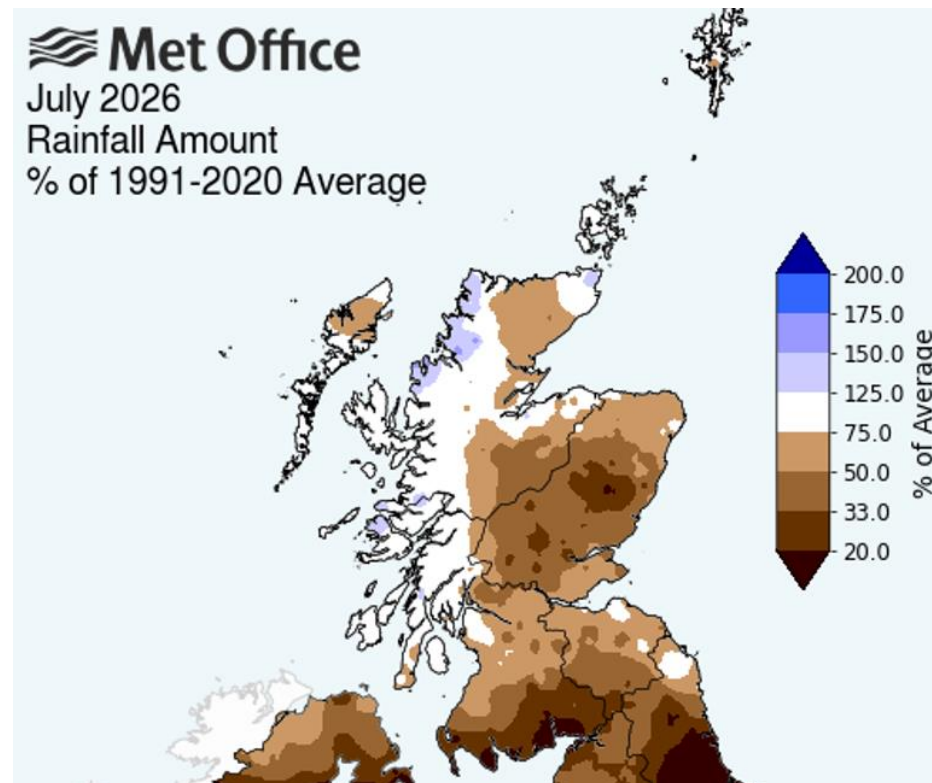


3.4 Temperatures & Vibration

Parameter	Temperature at or near full power, °C	Alert level, °C
Generator NDE1 bearing	49.0	85
Generator DE bearing	45.5	85
Generator NDE bearing 2	51.5	85
Generator windings	72.1	145

Parameter	Vibration at or near full power, mm/s	Alert level, mm/s
Generator DE	0.45	3.0
Generator NDE	1.35	3.0

4 Rainfall



Rainfall this month (rain gauge), mm	168
Western Scotland rainfall in month with respect to 1991-2020 long term average	67%

5 Scheme annual performance summary

FY 2026/7	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Actual generation kWh	478,621	45,917	384,409	344,027									1,252,973
Average generation since commissioning	476,497	476,560	330,341	213,315	193,391	277,350	335,636	387,211	353,348	505,414	545,833	566,441	1,496,713
Forecast generation (P50)	369,360	226,766	188,561	195,146	280,601	387,431	582,631	618,214	620,057	695,941	554,678	611,047	979,833
Actual relative to forecast	104.4%	20.2%	203.9%	176.3%									127.9%
Rainfall relative to 1991-2020 average by month	117%	77%	141%	67%									84%
Calculated generation kWh	392,284	73,627	314,756	342,999									1,123,667
Variance to calculated generation kWh	-6,541	-27,711	69,653	1,028	-	-	-	-	-	-	-	-	129,307
Variance to calculated generation %	-1.7%	-37.6%	+22.1%	+0.3%									+11.5%
Approximate revenue	£78,915	£7,521	£62,959	£56,438									£205,833
Capacity factor (monthly)	41.0%	3.8%	33.0%	28.5%									26.6%
Average RoR capacity factor ¹	47.3%	13.6%	28.9%	16.3%									29.9%
FY 2025/6	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Actual generation kWh	66,263	120,774	475,565	337,159	294,561	539,798	429,308	570,111	608,906	355,689	336,100	519,171	4,671,562
Average generation since commissioning	262,333	217,596	211,278	335,128	418,095	302,196	524,441	539,763	555,825	506,699	511,675	283,133	4,668,160
Forecast generation (P50)	369,360	226,766	188,561	195,146	280,601	387,431	582,631	618,214	620,057	695,941	554,678	611,047	5,330,433
Actual relative to forecast	17.9%	53.3%	252.2%	172.8%	105.0%	139.3%	73.7%	92.2%	98.2%	51.1%	60.6%	85.0%	87.6%
Rainfall relative to 1991-2020 average by month	54%	107%	134%	95%	88%	125%	105%	115%	96%	80%	82%	114%	90%
Calculated generation kWh	65,116	125,464	503,781	355,612	305,935	573,654	444,380	n/a	n/a	n/a	331,084	n/a	2,705,027
Variance to calculated generation kWh	1,147	-4,690	-28,216	-18,453	-11,374	-33,856	-15,072	n/a	n/a	n/a	5,016	n/a	-87,342
Variance to calculated generation %	+1.8%	-3.7%	-5.6%	-5.2%	-3.7%	-5.9%	-3.4%	n/a	n/a	n/a	+1.5%	n/a	-3.2%
Approximate revenue	£10,279	£20,713	£84,263	£59,373	£51,663	£46,508	£69,871	£96,640	£103,508	£60,214	£57,345	£88,488	£802,149
Capacity factor (monthly)	5.7%	10.0%	40.8%	28.0%	24.4%	46.3%	35.6%	48.9%	50.5%	29.5%	30.9%	43.1%	32.9%
Industry wide RoR capacity factor	7.9%	8.5%	22.2%	18.5%	14.0%	27.5%	41.3%	58.5%	59.0%	39.3%	48.1%	55.1%	33.3%

¹ From April 2025 the average reported figure has been amended to a sample of GHC managed schemes rather than the wider industry.

