



April 6th, 2021

Blind River GS Monthly Report – March 2021

Production

Unit #1 (Town Hall connected) produced 14,202 kWh in March.

Unit #2 (STP connected) produced 29,091 kWh in March.

Pursuant to the Town's hydro bills for Town Hall and the STP, its all-in cost of power is approximately 18 cents per kWh. This changes with variation in Hydro's "Global Adjustment" rate.

However, the above generation estimates are from the existing control software and are subject to verification pending the installation of a revenue-grade power meter on the output of each generator, which has been approved by the Town Clerk Administrator and is in progress of procurement and implementation.

Downtime

We did have unit #1 shut down for about a week during the middle of the month because of low water. Then #1 was shut down at the end of the month when we noticed a new sound. In order to investigate properly we need to remove the cover over the turbine blades. This will give us access to the other side of the wicket gates. The headgate was dropped in order to dewater the penstock. We are currently waiting for the davit crane to be inspected so we can continue with the work.

Maintenance

- Over 85 hours onsite for another tie rod change, moving the mechanical gate, log manipulation, disposal of a cracked log that was tagged out by MNR, cleaning trash rack, sealing dam better to conserve water, and on call coverage.
- General cleaning was again performed regularly, including disinfecting of high touch points.
- Sourced additional suppliers of Revenue Grade Meters to track generation from the Town Dam turbines. Had supplier quotes by end of March to review and worked towards finalizing a list of materials/work required to complete each quote. Aiming to have the purchase orders out by mid-April and hope to receive the material by the end of April or May for installation. Looking to have remote monitoring capabilities for Town.

Other Issues

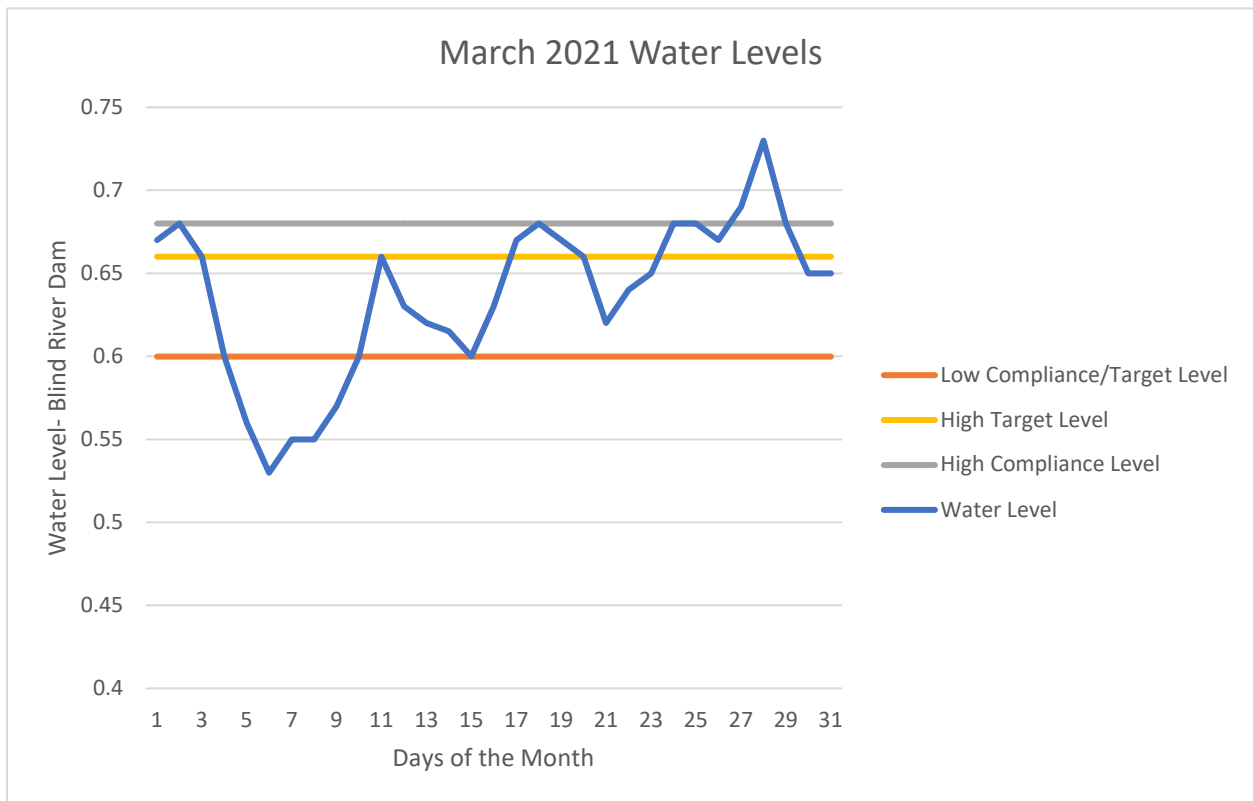
There are no other issues at this time.

Water Management

During this month, the Target Water Level range was from 0.60 to 0.66 and the Compliance Water Level range was from 0.60 to 0.78. We are to stay within these levels from February 1st to March 31st. We were over compliance on the 3rd and under compliance on the 17th.

We received one water level complaint in March. The complainant noted that it may be a dry summer in our area, as March received minimal rain and there was not as much snow/ice to melt. The complainant noted that the level of Lake Duborne appeared low for that time (March 21). We were able to confirm that we were taking the necessary steps to conserve water until more precipitation was received and that the water level at the 557 was at the top of the Water Management Plan's ("WMP") target range as of the 20th. The town dam level was recorded at .62 the day of the complaint, however the difference in the ruler levels between the dam ruler and the 557 is that the dam ruler is directly affected by the number of logs pulled out in the dam. By the 22nd of March, we were slowly drawing down the water level at the 557 ruler, as there was rain in the forecast and the temperature began to warm, which would melt the remainder of the ice on the lakes upstream. We advised the complainant to contact the MNR directly to discuss any recommended changes to the water levels that are currently in the WMP.

Figure 1 is a graph of the water level from February 1st to February 28th. Figure 2 is the chart with the exact water levels and number of logs out.



2021 MONTHLY WATER LEVEL LOG

| Generating Station: Town Dam | | Month: March | | |
|-------------------------------------|-------------|---------------------|-------------------------------|---|
| WMP Compliance Range: | | | .60 to .68 mStaff | |
| Date | Water Level | Ruler | Logs Out & Equivalent Flow | Comments/Actions |
| March 1, 2021 | 0.67 | 557 | 6 | |
| March 2, 2021 | 0.68 | 557 | 6 | |
| March 3, 2021 | 0.66 | 557 | 6 | |
| March 4, 2021 | 0.6 | 557 | 6 | |
| March 5, 2021 | 0.56 | 557 | 4 | |
| March 6, 2021 | 0.53 | 557 | 3 | |
| March 7, 2021 | 0.55 | 557 | 3 | |
| March 8, 2021 | 0.55 | 557 | 3 | |
| March 9, 2021 | 0.57 | 557 | 3 | |
| March 10, 2021 | 0.6 | 557 | 6 | Rainfall Warning: 20-40mm by Thursday AM |
| March 11, 2021 | 0.66 | 557 | 8 | |
| March 12, 2021 | 0.63 | 557 | 10 | |
| March 13, 2021 | 0.62 | 557 | 10 | |
| March 14, 2021 | 0.615 | 557 | 10 | |
| March 15, 2021 | 0.6 | 557 | 8 | |
| March 16, 2021 | 0.63 | 557 | 8 | |
| March 17, 2021 | 0.67 | 557 | 8 | |
| March 18, 2021 | 0.68 | 557 | 8 | |
| March 19, 2021 | 0.67 | 557 | 8 | |
| March 20, 2021 | 0.66 | 557 | 8 | |
| March 21, 2021 | 0.62 | Dam | 8 | |
| March 22, 2021 | 0.64 | 557 | 6 | |
| March 23, 2021 | 0.65 | 557 | 4 | |
| March 24, 2021 | 0.68 | Dam | 8 | Rainfall Warning: Up to 25mm of rain possible in 24hr |
| March 25, 2021 | 0.68 | Dam | 9 | |
| March 26, 2021 | 0.67 | 557 | 5 | |
| March 27, 2021 | 0.69 | 557 | 5 | |
| March 28, 2021 | 0.73 | 557 | 7 | |
| March 29, 2021 | 0.68 | Dam | 7 | |
| March 30, 2021 | 0.65 | Dam | 8 | .72 at 557 |
| March 31, 2021 | 0.65 | 557 | 6 | |

Figure 2: Water Level Chart