

Operations Report to Directors - Mississippi River Power Corp.

May 27, 2021

Last regular meeting – April 22, 2021

Generation for the month of April was 2,860,971 kWh. We generated 622,229 kWh on peak, at a rate of \$0.1515 per kWh for a total of \$94,267.67. We generated 2,238,742 kWh off peak, at a rate of \$0.1163 per kWh, for a total of \$260,365.75. Total generation revenue for the month of April was \$354,633.42. Kilowatt hour production for the month of April was about 86% of capacity.

As the time of our last regular monthly meeting, on April 22, flows in the Mississippi River at the Appleton stream gauge, were recorded at 31 cms. The flow continued to drop over the next two weeks, reaching a low of 23 cms on April 28th. Precipitation in late April and the first week of May brought flows back up. On May 8th, the flow measured 37 cms. Since then, the flow has dropped steadily, reaching a low of 15cms on Tuesday of this week. With that flow, our output was 1800-1900 kW.

The roof on MS#1 was replaced last week, with a new TPO roofing membrane.

On May 12th we had a shut down of unit #2. The cause was a faulty gate position relay. The relay was replaced with a spare that morning.

Staff replaced batteries in the ‘man-down’ pendants, after we were informed by the monitoring station that they were low.

Staff completed lockout/tagout training.

With the Provincial lockdown still in place, the public washroom in Metcalfe Park is still closed to the public. Once the Municipality opens all of their public washrooms, the one in Metcalfe Park will be opened as well. Our staff cleaned the washroom last week in preparation.

The dock will be put back in at the boat launch in the next two weeks.

We pulled weeds and added mulch to the flower beds at Des Houston Park.

We replaced the steel end on the Hawk clam, that is used in the winter, with the polycarbonate one.

Staff serviced the lawnmowers, getting them ready for the summer.

On May 21st, we had a shut down caused by a transfer trip. When we contacted Hydro One, they indicated that there was no indication of it being initiated from their end. They gave us the all-clear to restart. A brief loss of communication was the likely cause.

Generation Stats

This section shows annual figures

Budget Generation 2018 \$2,306,244
Actual Generation 2018 \$2,455,780
Actual Generation 2018 (kWh) 19,960,232

Budget Generation 2019 \$2,411,009
Actual Generation 2019 \$3,007,133
Actual Generation 2019 (kWh) 24,327,543

Budget Generation 2020 \$2,422,939
Actual Generation 2020 \$3,062,511
Actual Generation 2020 (kWh) 24,649,416

This section shows figures representing the period of January 1 – April 30 (2020 vs 2021)

2020		2021	
Budget Generation	\$1,163,006	Budget Generation	\$1,319,889
Actual Generation	\$1,464,601	Actual Generation	\$1,410,514
Actual Generation	11,775,571 kWh	Actual Generation	11,327,631 kWh

NOTE: The projected (or budgeted) revenue/kWh output is often well above or below the actual totals. As a run-of-river station we must base our projections on average flows.

Scott Newton, General Manager

Monthly Generation Revenue

