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TRANSMITTAL MEMORANDUM

TO: The Honorable Mayor and City Council

FROM: Karl R. Amylon, General Manager

DATE: November 11, 2020

RE: **Lake Levels and System Generation Report for the Month of October 2020**

Attached for City Council review is a copy of the Electric Division Manager's report of lake levels and system generation for the month of October 2020. Should Councilmembers have any questions and/or concerns regarding Mr. Donato's report, staff can respond accordingly.



Electric Division
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TRANSMITTAL MEMORANDUM

TO: Karl R. Amylon, General Manager

FROM: Andrew Donato, Electric Division Manager

DATE: November 6, 2020

SUBJECT: Lake Level Report for the Month of October 2020

The average elevation of Upper Silvis Lake for the month was 7.7 feet **below** spill, making Upper Silvis about 92% of capacity. Silvis Powerhouse produced 1,329,253 kWH of net energy this last month. This compares to 257,950 kWH in *October of last year*. (Note: Silvis generation is used to regulate lower lake level.)

The average elevation of Lower Silvis Lake for the month was 7.9 feet **below** spill or 68% of capacity. Beaver Falls Powerhouse produced 3,860,278 kWH of net energy this last month. This compares to 2,077,673 kWH in *October of last year*.

The average elevation of Whitman Lake for the month was 3.8 feet **below** spill or 88% of capacity. Whitman Powerhouse produced 570,094 kWH of net energy this last month compared to 1,290,216 kWH in *October of last year*.

The average elevation of Swan Lake is 3.2 feet **below** the new spill level. SEAPA purchased power was 7,436,288 kWH of net energy this last month. This compares to 7,877,420 kWH of purchased power received in *October of last year*.

The average elevation of Ketchikan Lake is 9.1 feet **below** spill or 66% of capacity and the Ketchikan Powerhouse produced 1,033,151 kWH of net energy. This compares to 2,536,662 kWH of net energy in *October of last year*.

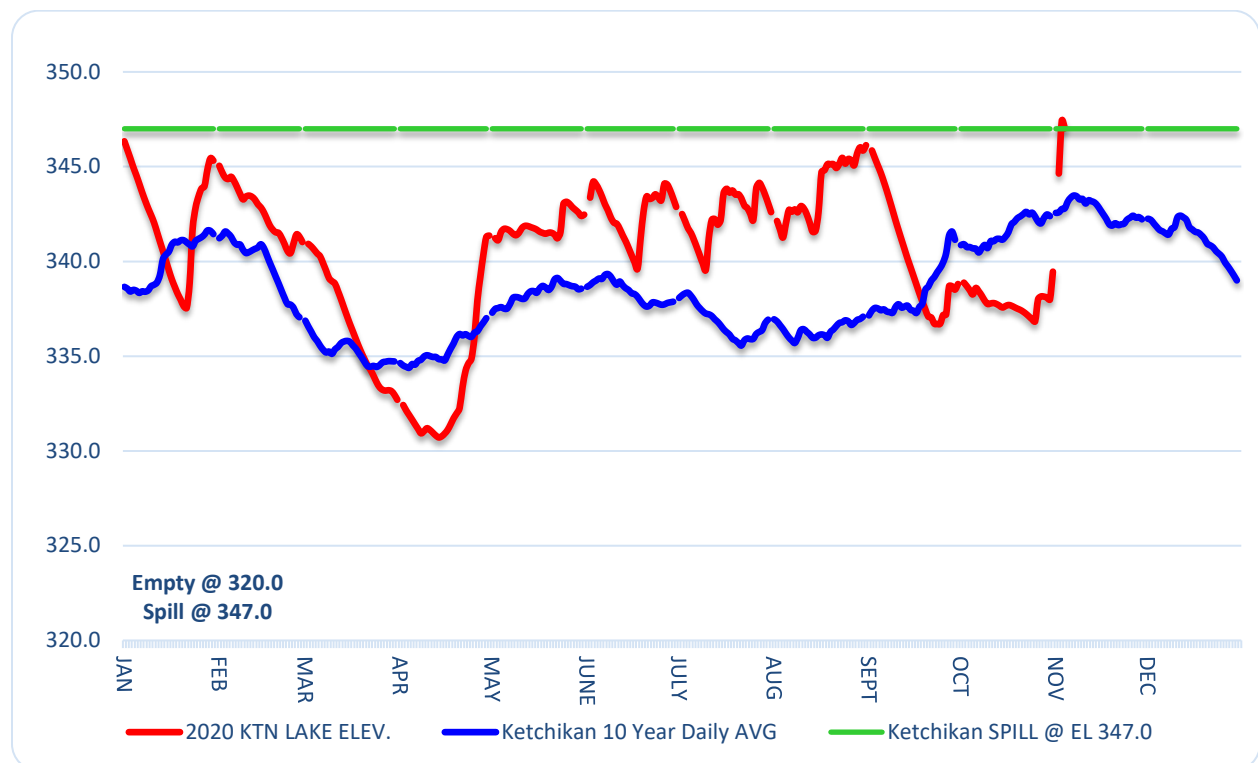
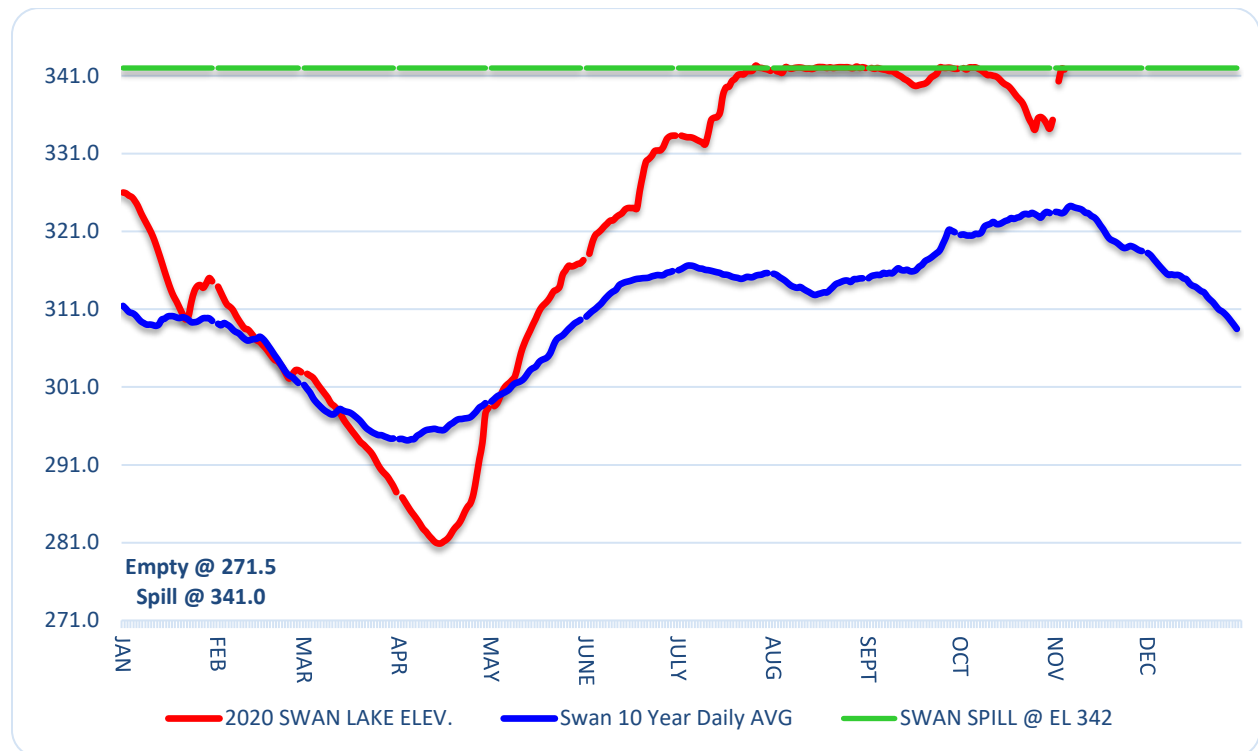
Net diesel generation during this last month was -106,201 kWH. This compares to -120,246 kWH in *October of last year*. (Negative number reflects use for station power, which is a budgeted item, not billable). Otherwise, 22.5 mWH was used in outage restorations.

System peak was 25,800 kW.

Ketchikan Public Utilities **owned** generation facilities produced 6,686,575 kWH of net energy this last month. This was 47% of last month's required energy.

Total System Net Generation last month, including purchased power, was 14,122,863 kWH. This compares to 13,919,675 kWH in *October of last year*, and represents a decrease of -203,188 kWH.

2020 Swan & Ketchikan Lake Levels



2020 Upper and Lower Silvis Lake along with Whitman Lake Levels

