

General Manager
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TRANSMITTAL MEMORANDUM

TO: The Honorable Mayor and City Council

FROM: Karl R. Amylon, General Manager

DATE: March 8, 2021

RE: **Lake Levels and System Generation Report for the Month of February 2021**

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 February 2021. 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: March 5, 2021

SUBJECT: Lake Level Report for the Month of February 2021

The average elevation of Upper Silvis Lake for the month was 16.7 feet **below** spill, making Upper Silvis about 83% of capacity. Silvis Powerhouse produced 1,347,574 kWh of net energy this last month. This compares to 1,187,071 kWh in *February of last year*. (Note: Silvis generation is used to regulate lower lake level.)

The average elevation of Lower Silvis Lake for the month was 4.5 feet **below** spill or 82% of capacity. Beaver Falls Powerhouse produced 3,492,017 kWh of net energy this last month. This compares to 3,464,487 kWh in *February of last year*.

The average elevation of Whitman Lake for the month was 9.5 feet **below** spill or 71% of capacity. Whitman Powerhouse produced 381,552 kWh of net energy this last month compared to 509,147 kWh in *February of last year*.

The average elevation of Swan Lake is 19.6 feet **below** the new spill level. SEAPA purchased power was 10,806,144 kWh of net energy this last month. This compares to 9,670,575 kWh of purchased power received in *February of last year*.

The average elevation of Ketchikan Lake is 9.1 feet **below** spill or 66% of capacity and the Ketchikan Powerhouse produced 1,232,172 kWh of net energy. This compares to 1,922,261 kWh of net energy in *February of last year*.

Net diesel generation during this last month was -97,968 kWh. This compares to -113,677 kWh in *February of last year*. (Negative number reflects use for station power, which is a budgeted item, not billable).

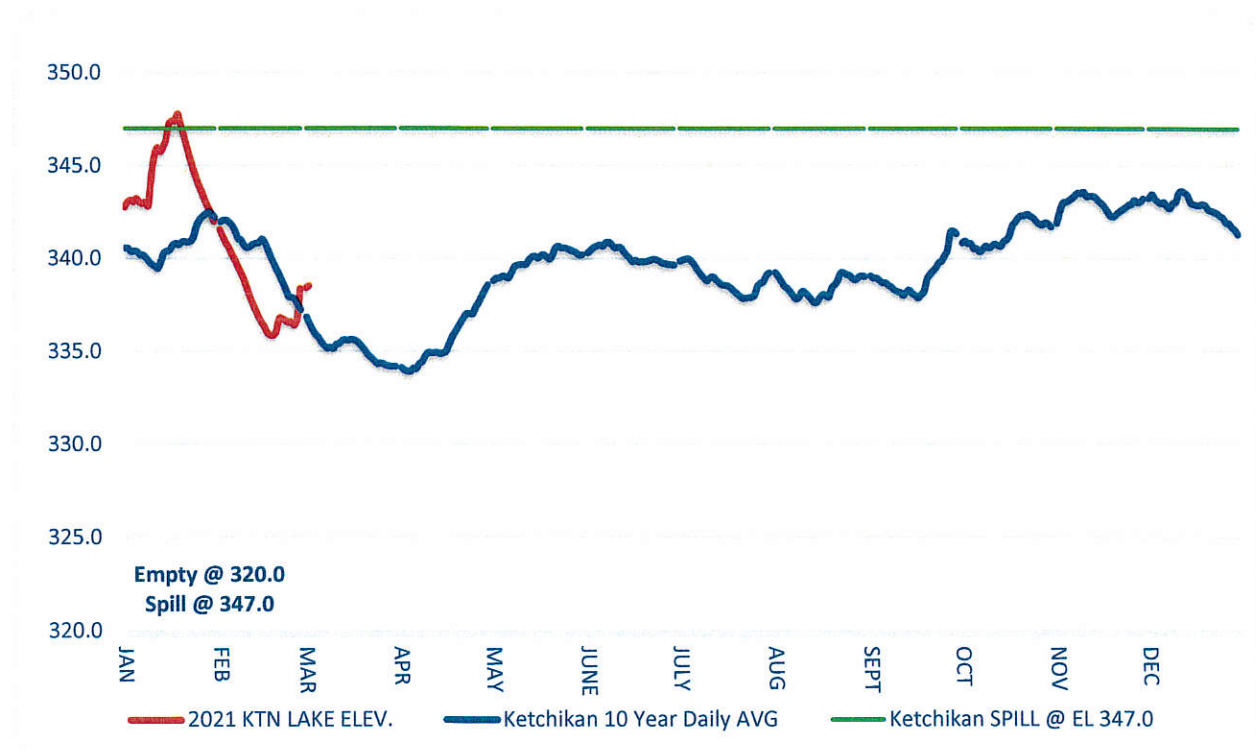
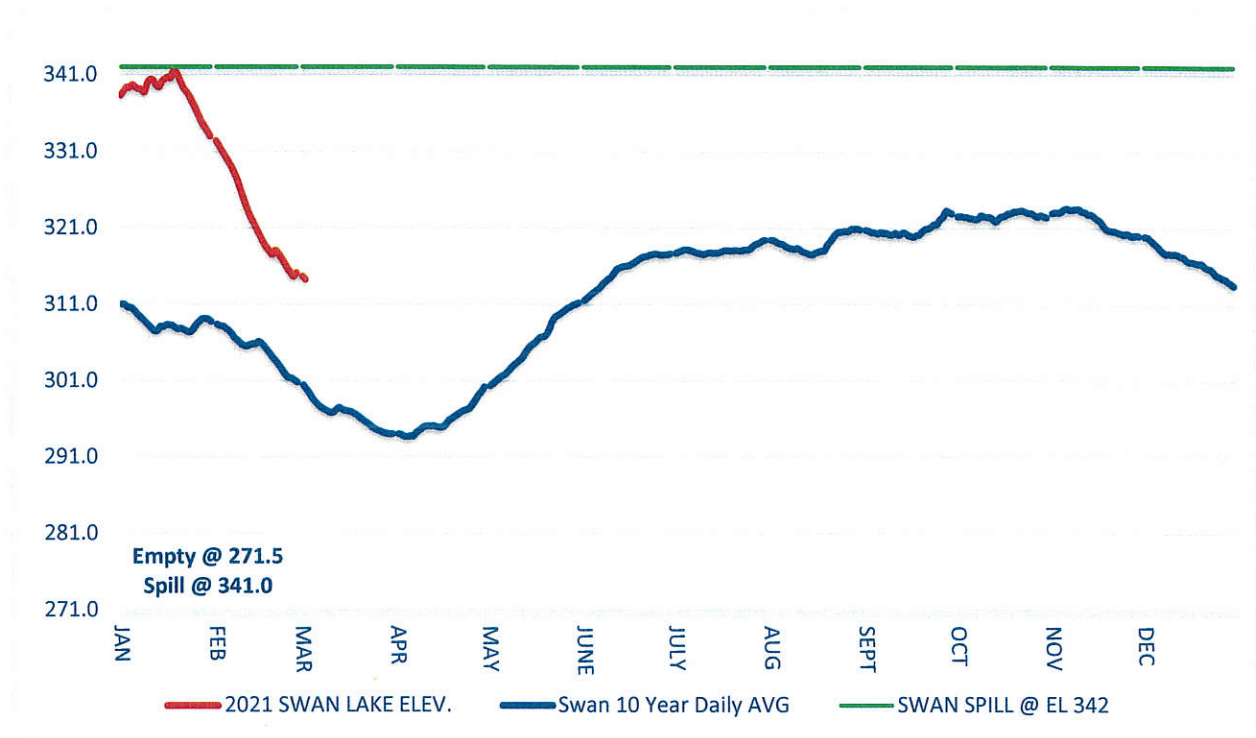
System peak was 34,400 kW.

Ketchikan Public Utilities **owned** generation facilities produced 6,355,347 kWh of net energy this last month. This was 37% of last month's required energy.

Total System Net Generation last month, including purchased power, was 17,161,491 kWh. This compares to 16,639,864 kWh in *February of last year*, and represents an increase of 521,627 kWh.

AD: kjh

2021 Swan & Ketchikan Lake Levels



2021 Upper and Lower Silvis Lake along with Whitman Lake Levels

