

# KPU



*Your Community, Your Utility*

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TRANSMITTAL MEMORANDUM
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TO: The Honorable Mayor and City Council

FROM: Lacey G. Simpson, Acting General Manager

DATE: December 6, 2021

RE: **Lake Levels and System Generation Report for the Month of November 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 November 2021. Should Councilmembers have any questions and/or concerns regarding Mr. Donato's report, staff can respond accordingly.



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## TRANSMITTAL MEMORANDUM

TO: Lacey G. Simpson, Acting General Manager

FROM: Andrew Donato, Electric Division Manager

DATE: December 6, 2021

SUBJECT: Lake Level Report for the Month of November 2021

The average elevation of Upper Silvis Lake for the month was 4.1 feet **below** spill, making Upper Silvis about 96% of capacity. Silvis Powerhouse produced 1,260,373 kWH of net energy this last month. This compares to 1,156,189 kWH in *November of last year*. (Note: Silvis generation is used to regulate lower lake level.)

The average elevation of Lower Silvis Lake for the month was 5.3 feet **below** spill or 79% of capacity. Beaver Falls Powerhouse produced 4,229,272 kWH of net energy this last month. This compares to 4,023,217 kWH in *November of last year*.

The average elevation of Whitman Lake for the month was 1.8 feet **below** spill or 95% of capacity. Whitman Powerhouse produced 1,132,322 kWH of net energy this last month compared to 724,721 kWH in *November of last year*.

The average elevation of Swan Lake is 1.3 feet **below** the new spill level. SEAPA purchased power was 7,254,592 kWH of net energy this last month. This compares to 8,298,688 kWH of purchased power received in *November of last year*.

The average elevation of Ketchikan Lake is 5.4 feet **below** spill or 80% of capacity and the Ketchikan Powerhouse produced 1,911,357 kWH of net energy. This compares to 2,222,354 kWH of net energy in *November of last year*.

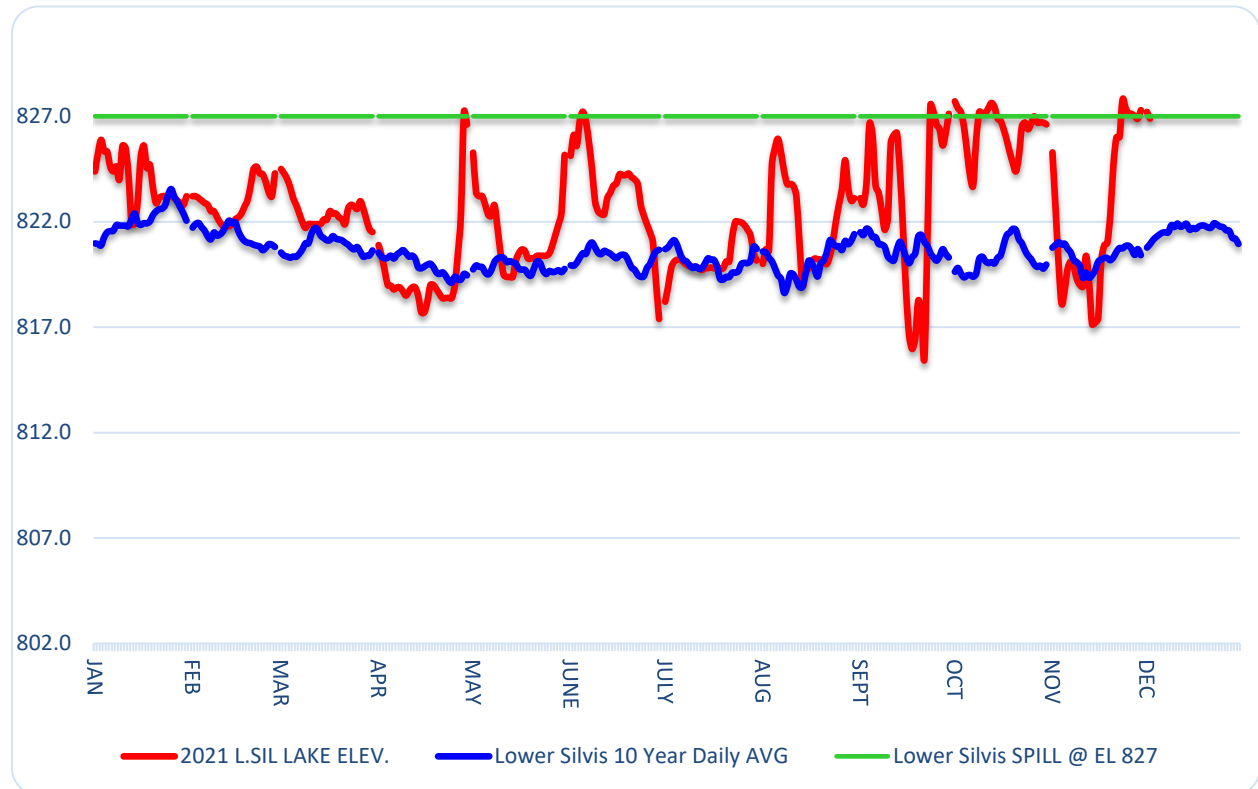
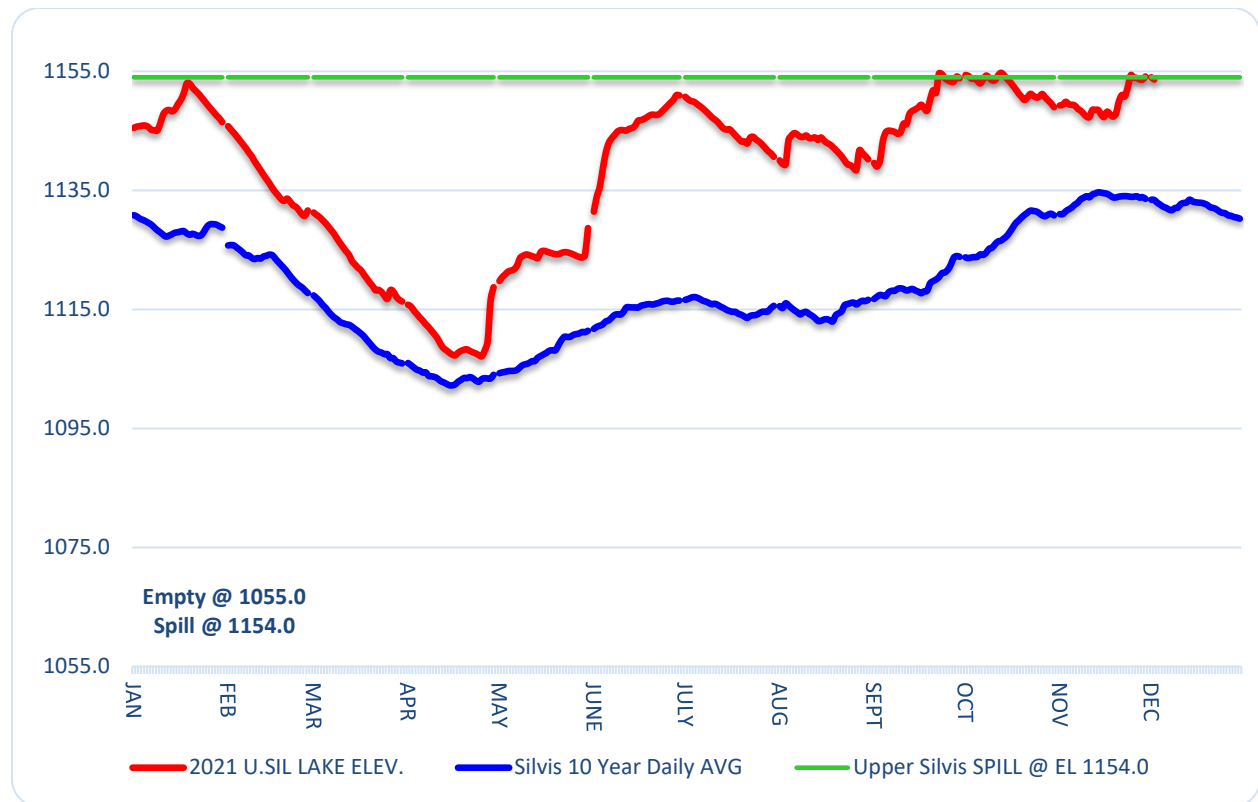
Net diesel generation during this last month was -125,209 kWH. This compares to -100,263 kWH in *November of last year*. (Negative number reflects use for station power, which is a budgeted item, not billable).

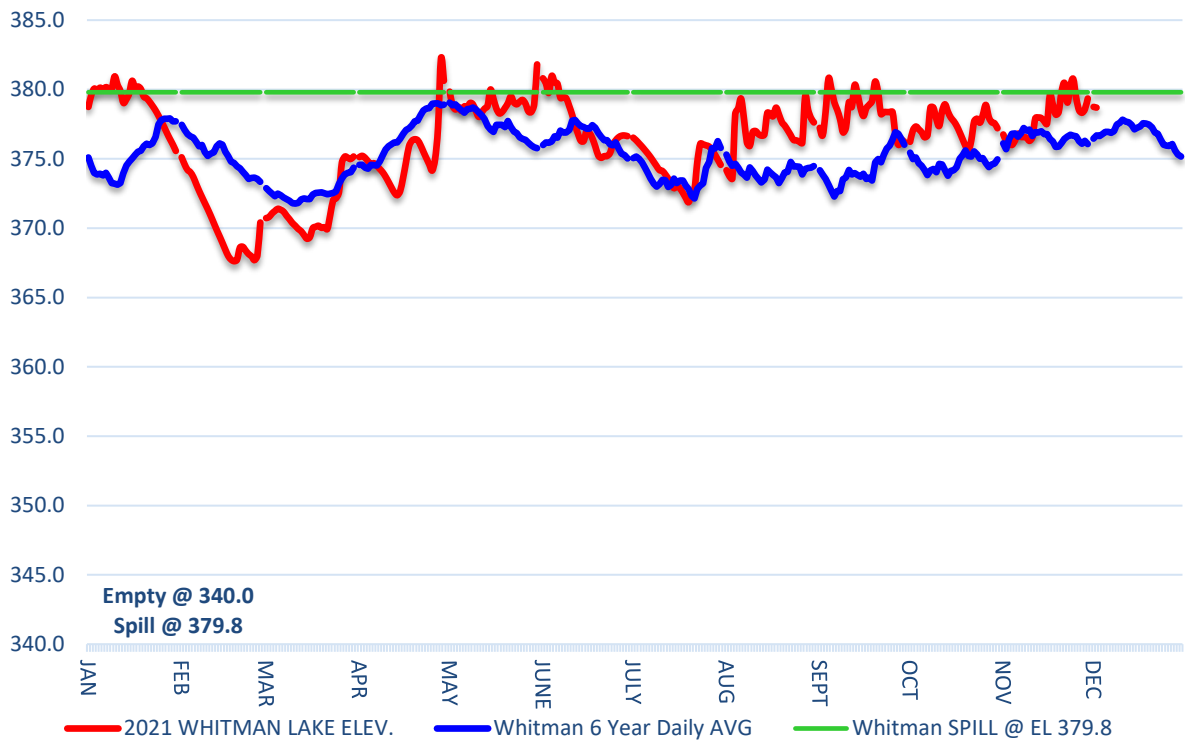
System peak was 28,300 kW.

Ketchikan Public Utilities **owned** generation facilities produced 8,408,115 kWH of net energy this last month. This was 54% of last month's required energy.

**Total System Net Generation** last month, including purchased power, was 15,662,707 kWH. This compares to 16,324,906 kWH in *November of last year*, and represents a decrease of 662,199 kWH.

## 2021 Upper and Lower Silvis Lake along with Whitman Lake Levels





# 2021 Swan & Ketchikan Lake Levels

