

# KPU



*Your Community, Your Utility*

**General Manager**  
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TRANSMITTAL MEMORANDUM
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**TO:** The Honorable Mayor and City Council

**FROM:** Karl R. Amylon, General Manager

**DATE:** June 12, 2019

**RE:** **Lake Levels and System Generation Report for the Month of May 2019**

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 May 2019. Should Councilmembers have any questions and/or concerns regarding Mr. Donato's report, staff can respond accordingly.

# KPU



Your Community, Your Utility

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## TRANSMITTAL MEMORANDUM

TO: Karl R. Amylon, General Manager

FROM: Andrew Donato, Electric Division Manager

DATE: June 10, 2019

SUBJECT: Lake Level Report for the Month of May 2019

The average elevation of Upper Silvis Lake is 60.1 feet **below** spill, making Upper Silvis about 39% of capacity. Silvis Powerhouse produced 699,001 kWh of net energy this last month. This compares to 853,061 kWh in *May of last year*. (Note: Silvis generation is used to regulate lower lake level.)

The average elevation of Lower Silvis Lake is 8.5 feet **below** spill or 66% of capacity. Beaver Falls Powerhouse produced 2,369,933 kWh of net energy this last month. This compares to 3,432,058 kWh in *May of last year*.

The average elevation of Whitman Lake is 3.6 feet **below** spill or 89% of capacity. Whitman Powerhouse produced 476,831 kWh of net energy this last month compared to 1,193,717 kWh in *May of last year*.

The average elevation of Swan Lake is 47.8 feet **below** spill. SEAPA purchased power was 5,368,848 kWh of net energy this last month. This compares to 5,449,406 kWh of purchased power received in *May of last year*.

The average elevation of Ketchikan Lake is 6.5 feet **below** spill or 76% of capacity and the Ketchikan Powerhouse produced 1,036,445 kWh of net energy. This compares to 1,589,316 kWh of net energy in *May of last year*.

Net diesel generation during this last month was 1,855,469 kWh. This compares to 154,972 kWh in *May of last year*. (Negative number reflects use for station power, not billable). Another major diesel campaign was restarted January 7, 2019.

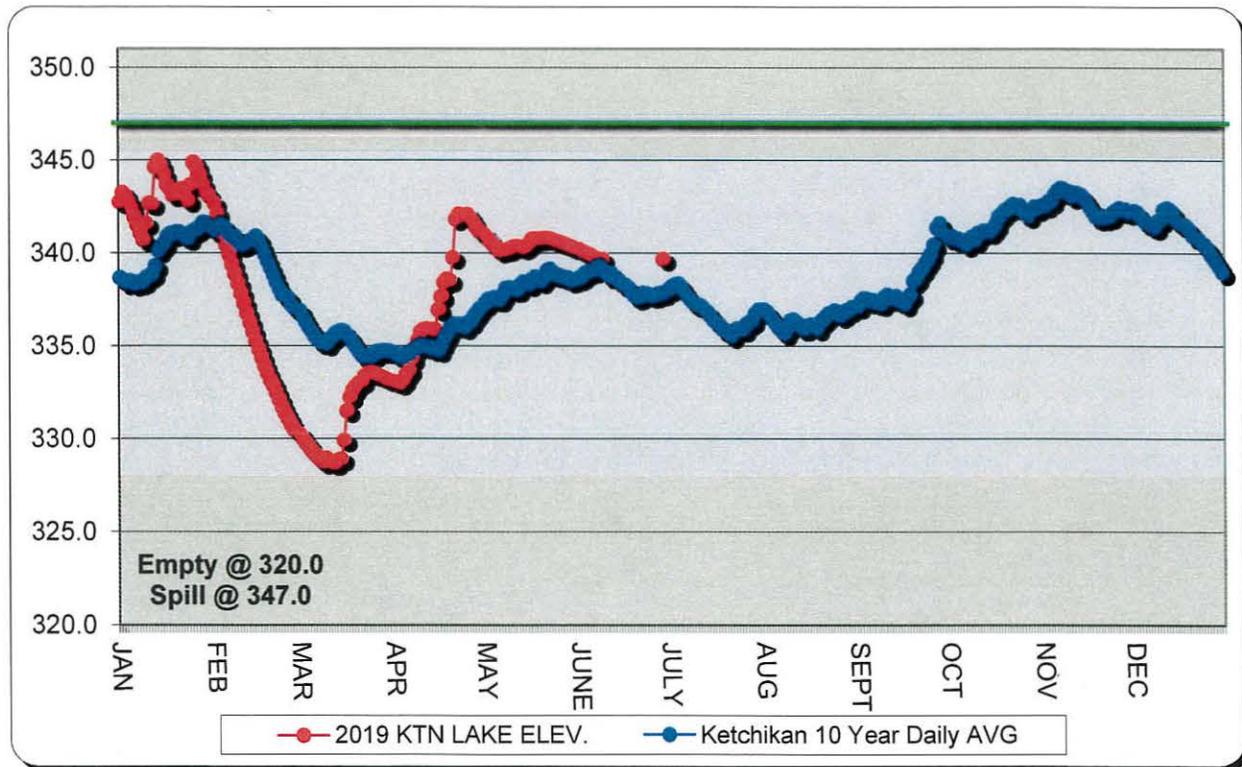
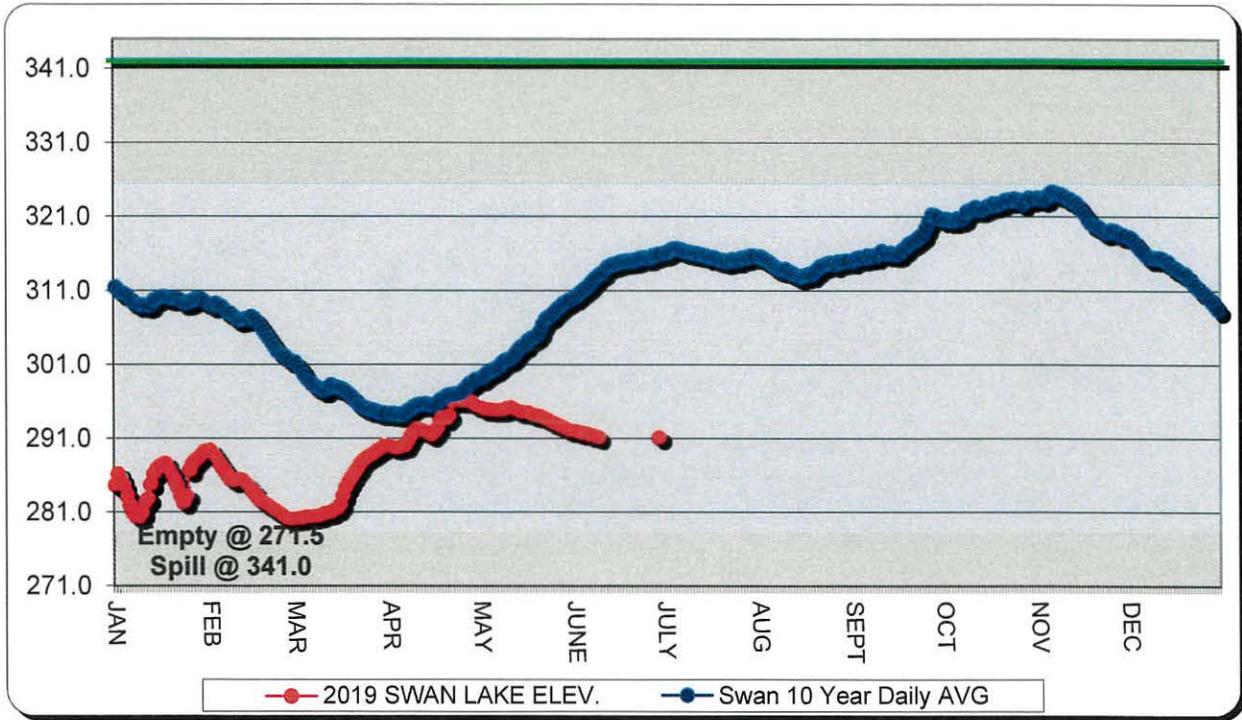
System peak was 21,100 kW.

Ketchikan Public Utilities **owned** generation facilities produced 4,582,210 kWh of net energy this last month. This was 55% of last month's required energy.

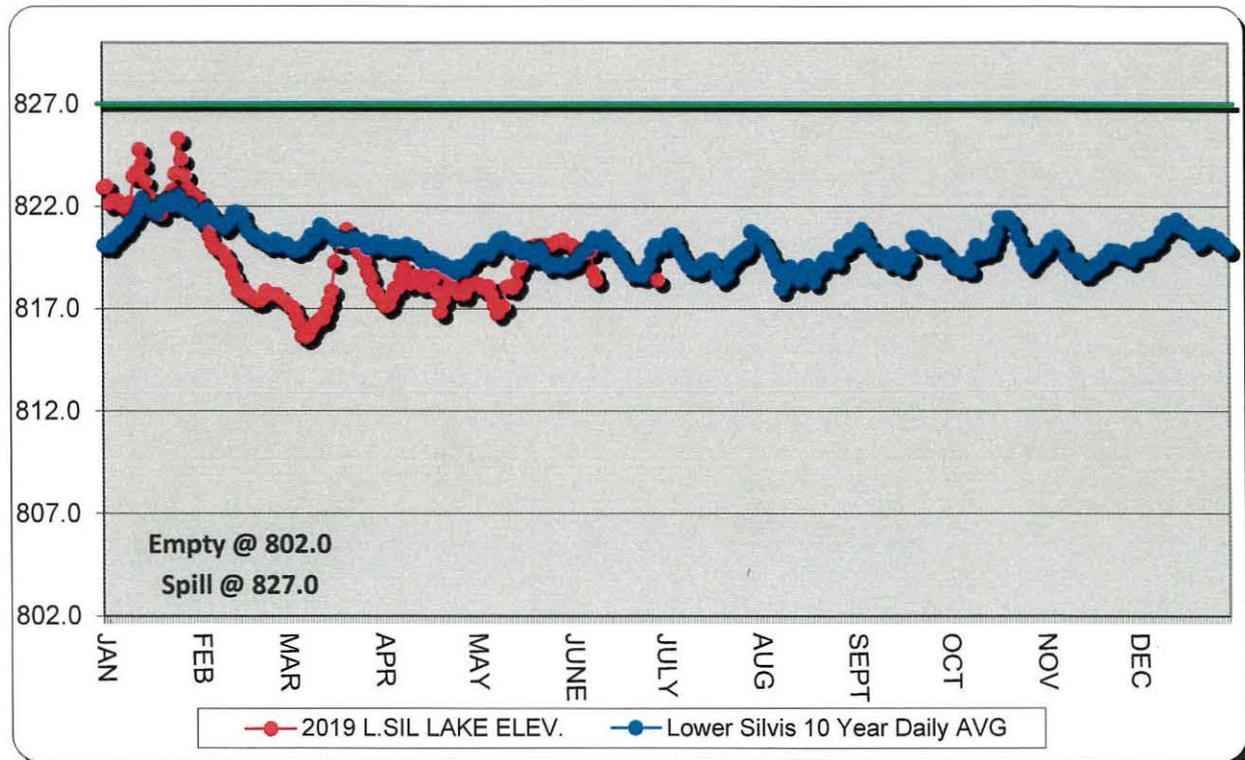
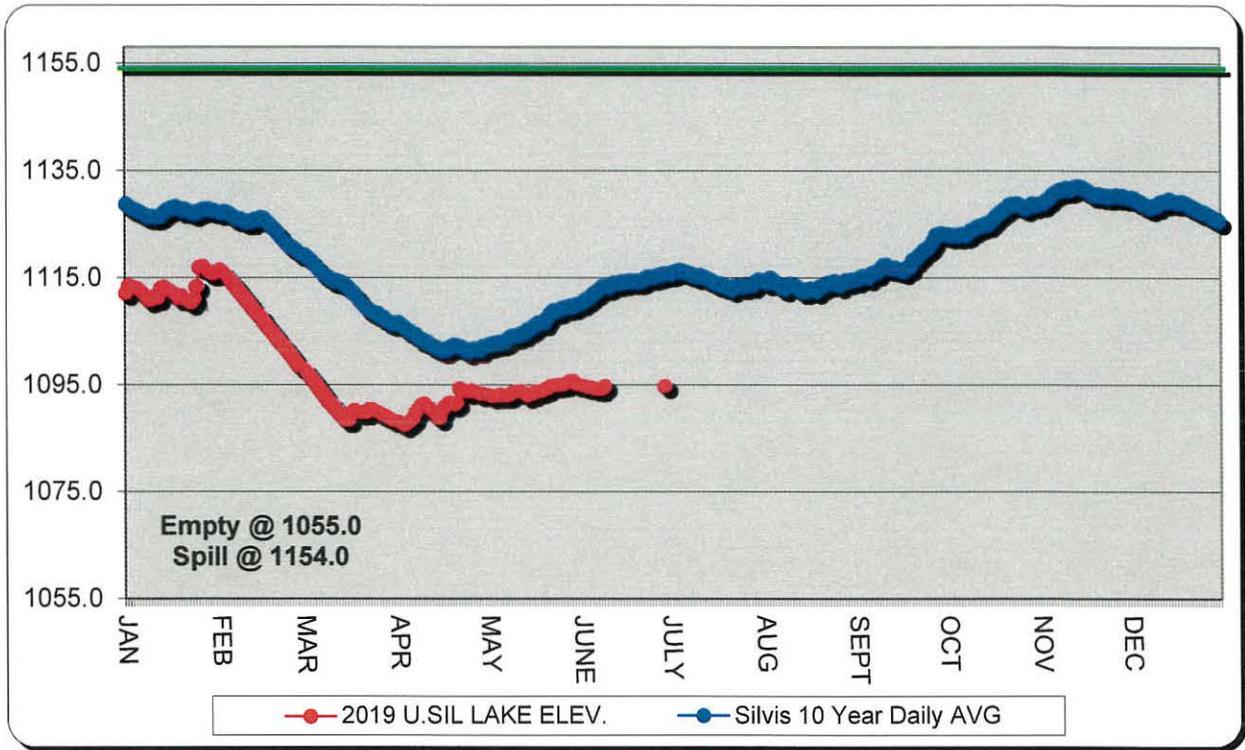
**Total System Net Generation** last month, including purchased power, was 11,806,527 kWh. This compares to 13,098,071 kWh in *May of last year*, and represents a decrease of 1,291,544 kWh, due to warmer temperatures.

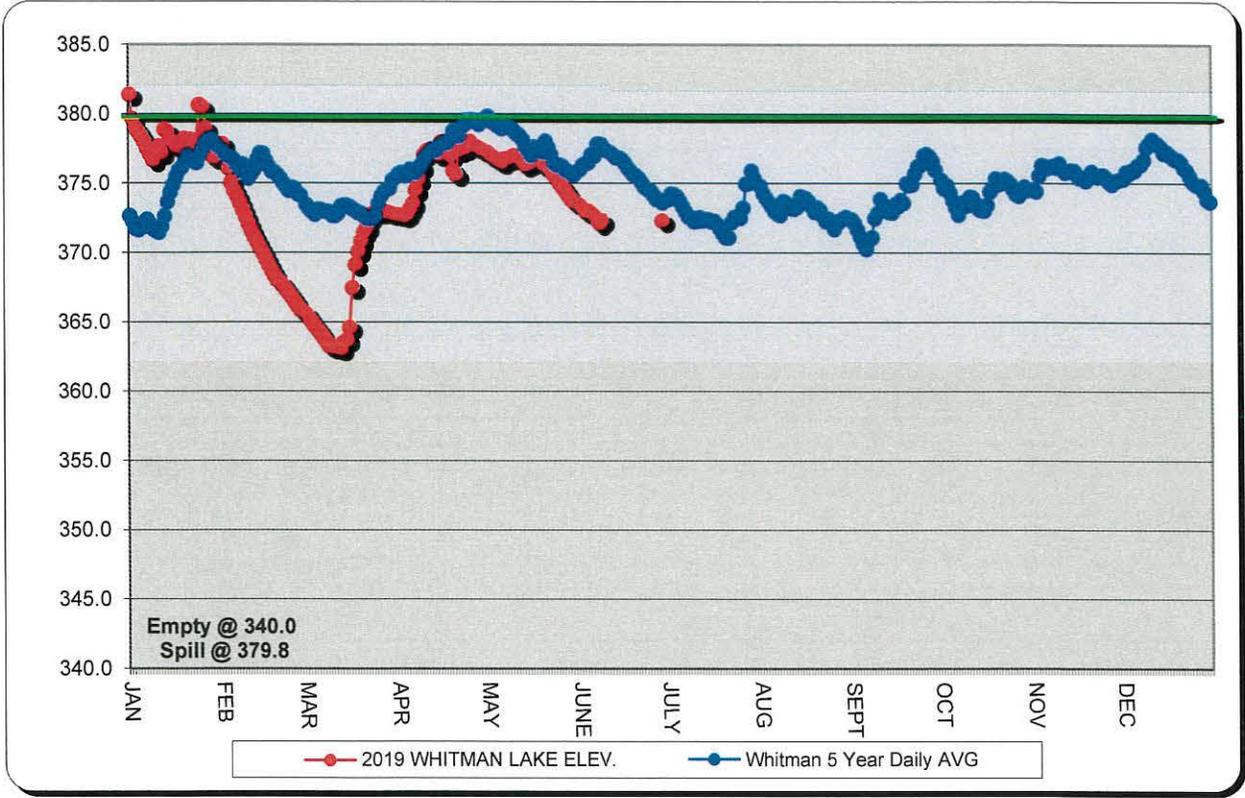
AD: kjh

## 2019 Swan & Ketchikan Lake Levels

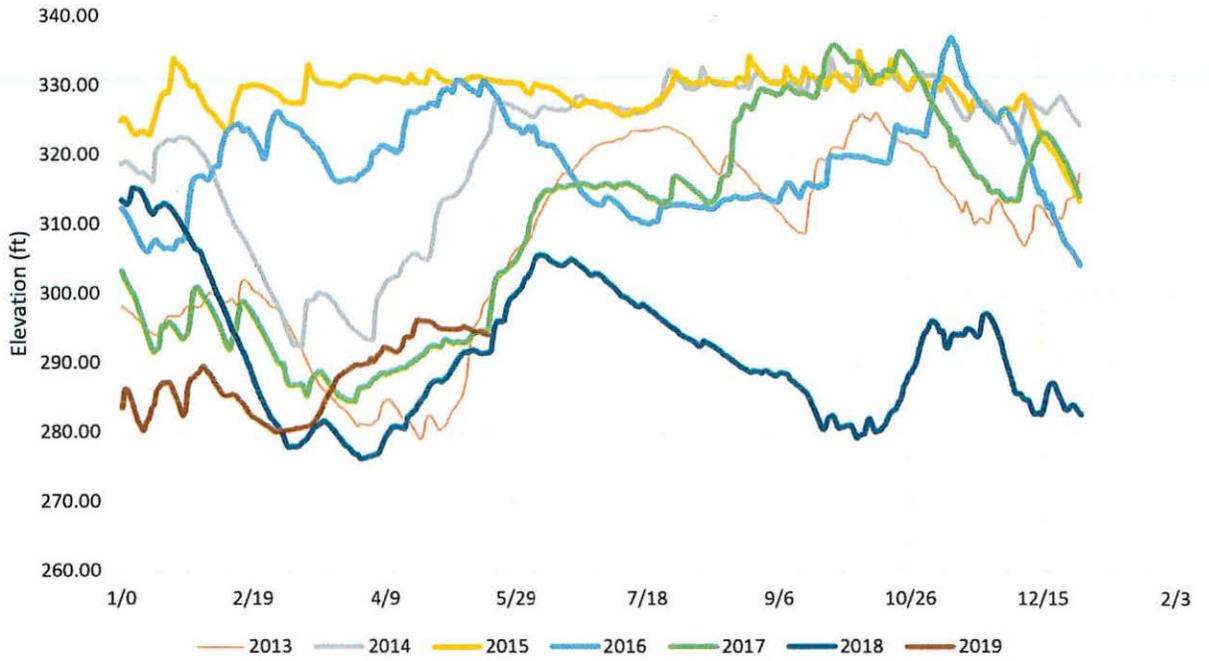


## 2019 Upper and Lower Silvis Lake along with Whitman Lake Levels





### Swan Lake Levels



### Tyee Lake Levels

