

## Notes from June 26-27 SEAPA Meeting

--Federal Energy Regulatory Commission (FERC) 5 year inspection of the Swan Lake dam took place on May 14, 2024. The report from the inspection has not been received.

--A contract was signed and design work has begun on a new Ketchikan substation. Scope of the work is for a 115/34.5KV substation to be located adjacent to SEAPA's 115 KV line. This work is needed to accommodate future load growth in Ketchikan.

--Kleinschmidt is now under contract for the Tyee 3<sup>rd</sup> turbine capacity license amendment. Estimated completion date is the end of 2024.

--McMillen Inc. has been contracted to provide a shovel ready design to include maximum horsepower criteria and construction cost estimates for the Tyee third turbine. A kick-off meeting was held on May 28<sup>th</sup>.

--A reminder that SEAPA applied in October 2023 for a \$5 million grant which would be used to help offset costs of a third turbine at Tyee. More requests for funding were received than money available, which invoked a detailed ranking process. Hopefully, selections will be done later this summer.

--In 2023, the Board approved a contract to look at grid stability and potential capacity of adding solar to the SEAPA grid. A detailed presentation was made to the board at this meeting. Some details of that presentation:

--SEAPA grid system frequency is the critical variable, which is the limiting factor to solar integration into the system.

--System frequency issues limit integration of solar to 650 kW total between the three SEAPA member communities.

--Adding a battery system as a buffer, that would span frequency disturbances when solar panel output drops, would allow a larger 1.6 MW AC solar bank to be added to the grid.

--More discussion is needed.

--The Board did authorize the CEO to pursue funding for an application under EPA's Solar for All Grant Program.