

**BEFORE THE
UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION**

Southeast Alaska Power Agency

**Project No. 3015
Tyee Lake Hydroelectric Project**

**APPLICATION FOR CAPACITY
AMENDMENT OF LICENSE**

Southeast Alaska Power Agency (SEAPA or Licensee) applies to the Federal Energy Regulatory Commission (FERC or Commission) for a capacity amendment to license for the existing Tyee Lake Hydroelectric Project, FERC Project No. 3015, (Project) as described in the attached exhibits.

I. INITIAL STATEMENT

Pursuant to Section 4.201 and 4.51 of the Commission's regulations, the Applicant states the following:

A. Tyee Lake Hydroelectric Project No. 3015

- (1) The Southeast Alaska Power Agency (SEAPA or Licensee) applies to the Federal Energy Regulatory Commission (FERC or Commission) for a capacity amendment of license for the Tyee Lake Hydroelectric Project, FERC Project No. 3015, (Project) as described in the attached exhibits.
- (2) The Project is located on Tyee Lake and at the head of Bradfield Canal, approximately 40 miles southeast of the community of Wrangell, 70 air miles southeast of Petersburg, and 60 miles northeast of Ketchikan, Alaska.

State or territory: Alaska

Borough: City and Borough of Wrangell, City and Borough of Petersburg

Township or nearby town: Wrangell and Petersburg

Stream or other body of water: Tyee Lake, Bradfield Canal

- (3) The exact name, business address, and telephone number of the Applicant are:

Southeast Alaska Power Agency
55 Don Finney Lane
Ketchikan, Alaska 99901
Attn: Robert Siedman, CEO
Phone: 907-228-2281

The exact name, address, and telephone number of each person authorized to act as agent for the Applicant are:

Robert Siedman, CEO
Southeast Alaska Power Agency
55 Don Finney Lane
Ketchikan, AK 99901
Email: rsiedman@seapahydro.org
Phone: 907-228-2281

The applicant requests that copies of all correspondence relating to this Capacity Amendment Application also be sent to the authorized Project Manager for the Applicant in this Application at the following address:

Betsy McGregor
Kleinschmidt Associates
1500 NE Irving St Ste 550
Portland, OR 97232
Email: betsy.mcgregor@kleinschmidtgroup.com
Phone: 907.885.3418

- (4) The applicant, a joint action agency established according to the laws of the State of Alaska, is considered a municipality for purposes of the Federal Power Act (FPA). The amendment of license proposed and the reason(s) why the proposed changes are necessary, are as follows:

The proposed amendment is to allow SEAPA to install an additional 10-megawatt (MW) hydroelectric Pelton-style turbine-generator (third unit) in the existing empty bay of the powerhouse. The Tyee Lake Hydroelectric Project was designed and constructed with two 10-MW units and an empty bay for a third unit under a license issued by FERC in 1981.

The winter peak electricity demand of the communities of Wrangell, Petersburg, and Ketchikan currently exceeds the capacity of the region's hydroelectric projects, including SEAPA's total installed capacity of 48-MW.

Electricity demand in excess of total hydro capacity is satisfied with diesel generation from the community utilities. Electricity demand is growing because of an ongoing trend of converting heating oil to electric heat pumps. The 2028 energy demand projection exceeds the sources of generation and growing electrification of transportation and potential installation of shore power at cruise ship berths would further increase energy demands.

Addition of the third unit would provide added generation to meet current and future demands and reduce the need for and reliance on diesel generation, and would also increase operational flexibility, increase reserves and system reliability, and provide redundancy to the two existing units.

Since the Tyee Lake Project was designed and constructed with provisions for a third unit, it is cost-effective and the least environmentally damaging alternative for meeting the growing energy demand in the region. As proposed, the addition of the third unit would not require modifying the upper or lower operating range of Tyee Lake or increasing the storage capacity at Tyee Lake.

- (5) (i) The statutory or regulatory requirements of the state in which the project would be located that affect the project as proposed, with respect to bed and banks and to the appropriation, diversion, and use of water for power purposes, and with respect to the right to engage in the business of developing, transmitting, and distributing power and in any other business necessary to accomplish the purposes of the license under the Federal Power Act, are:

Alaska Water Use Act (AS 46.15)

- (5) (ii) The step which the applicant has taken or plans to take to comply with each of the laws cited above are:

SEAPA holds a water right adequate to include the third unit and will operate the third unit within their water rights.

- (6) The applicant must provide the name and address of the owner of any existing project facilities. If the dam is federally owned or operated, provide the name of the agency.

Southeast Alaska Power Agency
55 Don Finney Lane
Ketchikan, Alaska 99901

SUBSCRIPTION AND VERIFICATION

This Application for Capacity-Related Amendment to the Federal Energy Regulatory License is executed in the City of Ketchikan, State of Alaska, by Robert Siedman, Chief Executive Officer, of the Southeast Alaska Power Agency, 55 Don Finney Lane, Ketchikan, Alaska 99901, who being duly sworn, deposes and says that the contents of this Application for the Capacity Amendment to License for the Tye Lake Hydroelectric Project, FERC No. 3015 are true to the best of his knowledge or belief. The undersigned applicant has signed this Application for the Capacity Amendment this 24th day of JANUARY, 2025.

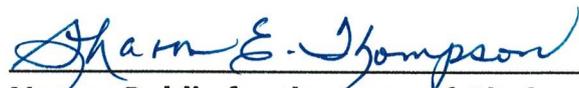
Applicant
By: 

**Robert Siedman, Chief Executive Officer
Southeast Alaska Power Agency**

Subscribed and sworn before me, a Notary Public of the State of Alaska this 24th day of JANUARY, 2025.

/SEAL/




Notary Public for the State of Alaska

Commission expires: 08/08/2025