

# Lynn Canal Transmission Corporation



*CONNECTING SOUTHEAST ALASKANS*

CONTACT: JASON CUSTER

JASON.C@APTALASKA.COM

907-225-1950

# Overview of Project



**Lynn Canal Transmission Corporation: a new Alaskan non-profit corporation formed in 2014.**  
(AK DOC Entity # 10018309)

**Mission:** Develop, operate, and maintain 69 kV transmission line connecting Juneau, the Kensington Mine, and Haines / Skagway. 12.47 kV underbuild for currently unconnected customers at the northern end of Juneau's Veterans Memorial Highway.

**Vision:** Foster economic growth and maximize economic benefit of renewable energy generation by transporting low-cost renewable energy between Juneau and Haines/Skagway.

**Governance:** Uncompensated Board of Directors comprised of stakeholders.

**Maintenance and Operations:** Contractual maintenance. Lean organization with no paid managers, executive directors, or staff.

**Open Access:** Transmission access available to all interested parties on a transparent, non-discriminatory basis for a uniform tariff (fee). Tariff will be used to operate, maintain, and sustain the transmission system far into the future. LCTC will remain a non-profit organization.



# Lynn Canal Transmission Corporation: Proposed Intertie



# Phase I

JUNEAU // ECHO COVE // KENSINGTON



## Description:

- 69 kV line from existing Lena Cove substation to new substation at Cascade Point (Echo Cove).
- 12.47 kV underbuild for remote, unconnected customers north of Juneau.
- 69 kV line from Cascade Point to Kensington Mine.
- Approximately 35 miles.

## Cost:

- Pre-construction --\$2m. Requesting State support via CAPSIS.
- Construction -- \$23m construction to Cascade Point, \$6m to Kensington (2012 estimate by Dryden & LaRue, Inc.) Proposing 100% private sector funding, with intent to utilize State loan programs.

## Benefits:

- 12.47 kV line provides power to off-grid properties north of Juneau, providing lower cost renewable energy.
- Sets the stage for new economic and property development north of Juneau.
- Increases property values and municipal property tax revenues.
- Allows Kensington Mine to utilize more affordable renewable energy, reducing dependency upon diesel fuel.
- Supports mining economics, and helps sustain Alaskan jobs.
- Supports CBJ Resolution 2632: *A Resolution Expressing Assembly Support for the Extension of Electrical Power Along the Veterans Memorial Highway*



# Phase II

KENSINGTON // HAINES-SKAGWAY



## Description:

- 69 kV line from Kensington Mine to Haines, and existing Haines-Skagway transmission cable.
- Would follow any future Juneau Access Highway Route between Kensington and Haines.
- Approximately 30 miles, depending on route.

## Cost:

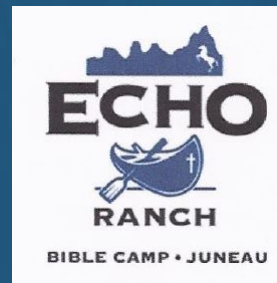
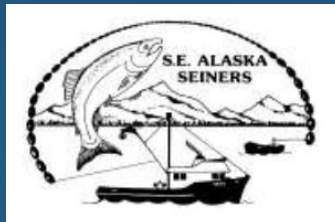
TBD following Phase I.

## Benefits:

- Improved economic opportunities in southeast Alaska due to increased presence of power.
- Ability to wheel renewable energy between Juneau and Haines/Skagway service area, optimizing use of existing and future assets.
- Access to greater economies of scale for future renewable energy development.
- Increased safety and reliability in the event of emergencies, planned outages for maintenance, etc.
- Maximizes economic benefits of existing hydropower generation assets.
- Reduces diesel fuel dependency.

# Diverse Support for LCTC

STRONG, EXISTING SUPPORT FROM LOCAL GOVERNMENT, NATIVE ORGANIZATIONS, BUSINESSES, AND NON-PROFITS.



LCTC Plans align with "Lines to Mines" Resolution 13-10 (Reminder: time to renew for 2014!)

# Current Phase: Preliminary Support and Pre-Construction Investment



- SE Conference: please renew "Lines to Mines" Resolution 13-10 for 2014
- A letter of support for LCTC from SE Conference would be helpful!
- Looking for additional letters of support from entities in the Juneau / Haines / Skagway region
  - CAPSIS request for funding for pre-construction activities (engineering, permitting, and design) is being advanced to members of the Alaska State Legislature. This is the full extent of grant funds proposed for the project. LCTC will construct the project using private funds, and State loan programs.



Thank You!



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