

RESOLUTION

02 02 18

115 kV Rebuild – Hope to Summit Project Authorization

WHEREAS, Chugach Electric Association, Inc. (Chugach) has identified the need to rebuild ten miles of the existing 115 kV transmission between Hope Substation and Summit Lake Substation to increase reliability;

WHEREAS, the eventual conversion of the 115 kV line to 230 kV will result in a reduction in losses and in increased transfer capacity from the Kenai Peninsula to Anchorage; and,

WHEREAS, this section of the 115 kV line has reached the end of its useful life and must be replaced, and the additional incremental cost of construction at 230 kV is only 10%-20% greater than an in-kind replacement, and which will result in significant savings over its future conversion to 230kV; and,

WHEREAS, Chugach will upgrade ten miles of the transmission line between Hope Substation and Summit Lake Substation to 230 kV insulation as recommended in the states RIRP;

WHEREAS, Chugach has included this project in the 2018-2022 Capital Improvement Plan (CIP);

WHEREAS, Chugach has included funding for this project in it 2018 Annual Operating Budget;

WHEREAS, Chugach has estimated the total cost of the project at \$9,500,000; and

NOW, THEREFORE, BE IT RESOLVED, that the Chugach Board of Directors authorizes the Chief Executive Officer (CEO) to approve the project expenditures for the 115 kV Rebuild – Hope Substation to Summit Lake Substation at an estimated amount of \$9,500,000, with an estimated completion date of December 31, 2019.

CERTIFICATION

I, James Henderson, do hereby certify that I am the Secretary of Chugach Electric Association, Inc., an electric non-profit cooperative membership corporation organized and existing under the laws of the State of Alaska: that the foregoing is a complete and correct copy of a resolution adopted at a meeting of the Board of Directors of this corporation, duly and properly called and held on the 20th day of February, 2018; that a quorum was present at the meeting; that the resolution is set forth in the minutes of the meeting and has not been rescinded or modified.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed the seal of this corporation the 20th day of February, 2018.


Secretary

Chugach Project Authorization



Project Name: 115 kV Rebuild – Hope to Summit

Project Category:

Safety	Incremental Load Growth		New Service	R&R T&D
Agency Mandated	Reliability	X	Operating Efficiency	R&R Generation

Accountabilities & Approvals

Board of Directors: Jim Henderson, Secretary
 CEO: Lee Thibert, CEO
 Executive Sponsor: Brian Hickey, Sr. VP System Operations
 Project Manager: Jon Sinclair, Sr. Manager, Transmission
 Project Engineer: Shawn Wendling, Sr. Project Engineer

Signatures	Date
	2/20/18
	2/15/18
	2/13/18
	2/13/18
	2/13/18

Purpose and Need:

This project will rebuild approximately ten miles of the 115 kV transmission line between Anchorage and the Kenai Peninsula. The line is over 50 years old and has reached the end of its useful life. The section that will be rebuilt is located between Hope Substation and Summit Lake Substation. Based on field inspections, of the remaining sections to be rebuilt, this section has seen the most significant deterioration.

Project Description:

A ten mile section of 115 kV transmission line between Hope Substation and Summit Lake Substation will be rebuilt to 230 kV insulation standards. The rebuild will include larger structures and additional clearing along the right-of-way. In addition, avalanche mitigation and heavy snow and wind loading will be incorporated into the design to increase reliability and reduce maintenance on the line. Access to the line will also be improved as part of the project.

Approval Amount: \$9,500,000

This project is included in the 2018-2022 CIP and in the 2018 Annual Operating Budget which was approved by the Board of Directors in November of 2017.

Category	Budget
Labor	\$400,000
Design	\$1,100,000
Materials	\$2,600,000
Construction Contract	\$5,400,000
Total	\$9,500,000

Chugach Project Authorization

Variance Discussion:

None

Current Project Status:

Percentage Complete: 5%

The preliminary design is underway.

Project Schedule:

January 2018 through December 2019