

12 01 17

RESOLUTION**Hope Substation Upgrade – Project Authorization**

WHEREAS, Chugach Electric Association, Inc. (Chugach) has identified the need for a station upgrade at Hope Substation to increase reliability and extend the life of the substation;

WHEREAS, existing facilities in Hope Substation are over fifty years old, have reached the end of their useful life and require replacement;

WHEREAS, Chugach Electric Association, Inc. (Chugach) has identified the need for view shed mitigation to reduce the visual impact of the Hope Substation;

WHEREAS, Chugach has included the Hope Substation Upgrade in the 2018-2022 Capital Improvement Plan (CIP);

WHEREAS, Chugach has included funding in its 2018 Annual Operating budget for the Hope Substation Upgrade;

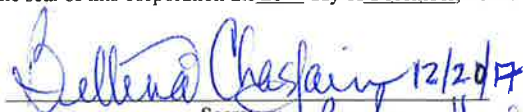
WHEREAS, Chugach has estimated the Hope Substation Upgrade at \$1,900,000;

NOW, THEREFORE, BE IT RESOLVED, that the Chugach Board of Directors' authorize the Chief Executive Officer (CEO) to approve the project expenditures for the Hope Substation Upgrade at an estimated amount of \$1,900,000, with an estimated completion date of December 2018.

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 December, 2017; 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a quorum was present at the meeting; that the resolution is set forth in the minutes of the meeting and has not been rescinded or modified.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 December, 2017.


Secretary
for Jim Henderson

Chugach Project Authorization


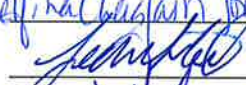

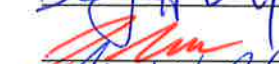
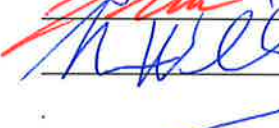
Project Name: Hope Substation Upgrade

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. Mgr., Transmission
 Project Engineer: Shawn Wendling, Sr. Project Engineer

Signatures	Date
	12/20/17
	12/15/17
	12/12/17
	12/12/17
	12/12/17

Purpose and Need:

This project will upgrade several of the existing facilities at Hope Substation and will incorporate view shed mitigation efforts to reduce the visual impact of the substation from the Seward Highway. The scope will include replacement of the existing power transformer and its foundation. In addition the wood bus support structures will be replaced with steel. The transformer and wood structures are over 50 years old. They have reached the end of their useful life and require replacement. The new facilities will extend the life of the substation and provide reliable power to the community of Hope.

Project Description:

This project will replace the transformer facilities and wood bus support structures at Hope Substation. The new facilities will include a new 115/14.9 kV transformer, a new seismically rated transformer foundation with oil containment, and replacement of all existing wood bus supports with steel supports. View shed mitigation may include a screening wall, landscaping and other measures that will reduce the visual impact of the substation.

Approval Amount: \$1,900,000

Project included in **2018-2022 CIP** @ \$1,900,000 and **2018 Budget** @ \$1,900,000

	Labor	Contract	Materials	Total
Forecast	\$300,000	\$1,000,000	\$600,000	\$1,900,000