



**RESOLUTION**

**Quartz Creek Transmission Line Rebuild:  
Girdwood to Indian Substation Project Authorization**

WHEREAS, Chugach Electric Association, Inc.'s (Chugach) 90-mile transmission line that extends from the Quartz Creek Substation (Quartz Creek) in Cooper Landing to the University Substation (University) in Anchorage was installed in 1962 to export energy from the Cooper Lake Hydroelectric Project on the Kenai Peninsula to the Anchorage area;

WHEREAS, the Quartz Creek to University transmission line is essential for the delivery of energy and capacity to retail and wholesale members throughout Chugach's system;

WHEREAS, Chugach has rebuilt 36 of the 90-mile Quartz Creek to University transmission line to 230 kV, comprised of the Ingram to Silvertip segment in 2012, the Powerline Pass segment in 2016, the Silver to Hope segment in 2017, the Hope the Summit segment in 2018, and the Placer River segment in 2020;

WHEREAS, Chugach has identified the need to rebuild 11 miles of the transmission line extending between the Girdwood Substation and the Indian Substation to increase reliability and to mitigate deterioration of structure foundations;

WHEREAS, the Girdwood to Indian Substation transmission line segment is nearing the end of its useful life and the rebuild of this segment will address known operational challenges associated with avalanche slides, corrosion, clearance, and communication issues;

WHEREAS, the rebuild of the Girdwood to Indian Substation transmission line will be constructed to current standards and robust design requirements;

WHEREAS, the project will include double circuit construction from Tidewater Slough to the Girdwood Substation which will allow for future substation upgrades to support an additional transmission line terminal which in coordination with an advanced bus design will significantly increase reliability to communities in Chugach's service territory served by the Quartz Creek Transmission Line,

WHEREAS, the 230 kV construction standards provide additional clearances adding increased reliability and future operation consistent with the 2010 Railbelt Integrated Resource Plan;

WHEREAS, the conversion of the 115 kV line to 230 kV transmission line will result in a reduction in line losses from the Kenai Peninsula to Anchorage;

WHEREAS, the rebuild of the Quartz Creek to University transmission line is included in Chugach's 2022 – 2026 Capital Improvement Plan;

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WHEREAS, Chugach has estimated the total cost of the project at \$21,200,000.

NOW, THEREFORE, BE IT RESOLVED, that the Chugach Electric Association, Inc. Board of Directors authorizes the Chief Executive Officer to approve project expenditures for the rebuild of the Quartz Creek Transmission Line between the Girdwood Substation and the Indian Substation at an estimated amount of \$21,200,000, with an estimated completion date of December 31, 2024.

#### CERTIFICATION

I, Samuel Cason, 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 26th day of October, 2022; 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 26th day of October, 2022.

  
Secretary