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RESOLUTION

Land Mobile Radio Replacement Project

WHEREAS, the existing Land Mobile Radio System has reached the end of its serviceable life; and

WHEREAS, the Land Mobile Radio System is critical to the operation of the Bulk Electric System; and

WHEREAS, Chugach Electric Association, Inc. (Chugach) has identified the need to replace the existing Land Mobile Radio System; and

WHEREAS, Chugach has included the Land Mobile Radio Replacement Project in the 2020-2024 Capital Improvement Plan (CIP); and

WHEREAS, Chugach has estimated the Land Mobile Radio Replacement Project at \$1,995,169.

NOW THEREFORE, BE IT RESOLVED, by the Board of Directors of Chugach Electric Association Inc., that the Chief Executive Officer is authorized to proceed with the Land Mobile Radio Replacement Project in the amount of \$1,995,169.

CERTIFICATION

I, Stuart Parks, 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 November, 2019; 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a quorum was present at the meeting; that the resolution is set forth in the minutes of the meeting and has not been rescinded or modified.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 on the 26th day of November 2019.

A handwritten signature in blue ink, appearing to read "Stuart Parks", is written over a horizontal line.

Secretary

Chugach Project Authorization

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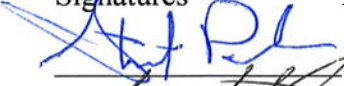


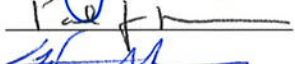
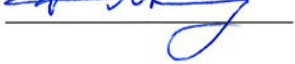
Project Name: Land Mobile Radio System Replacement

Project Category:

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

Accountabilities & Approvals

Board of Directors: Stuart Parks, Secretary
 CEO: Lee Thibert, CEO
 Executive Sponsor: Brian Hickey, COO
 Sponsor: Paul Johnson, Sr Mgr. C&C
 Project Manager: Bill Murray, Telecom Supervisor

Signatures	Date
	11 / 26 / 19
	11 / 20 / 19
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Purpose and Need:

Chugach utilizes a UHF land mobile radio system to provide critical communications for system operations across our entire service territory. The system provides high availability land mobile radio coverage for Dispatch, Line Operations, Production, and Engineering critical operations. The existing mobile radio system was placed in service in 2002 and has reached the end of its serviceable life. The manufacturer of the system is no longer in business, so spare parts and technical support are no longer available.

Project Description:

This project will replace equipment at 14 fixed repeater sites and approximately 300 mobile and portable radios. RFP 19-24 has been issued to secure proposals to replace the system. Chugach plans to reuse as much of the existing RF infrastructure as possible, including antennas, feed lines, filters, and combiners. The vendor will be responsible for furnishing a complete system design, coverage maps, system drawings, system configuration and programming, mobile and portable radios, dispatch control stations, and repeaters. In addition, the vendor will be required to provide factory acceptance for the equipment, a cut over plan for implementing the new system, integrations such as call recording, drive testing and system optimization, training, and installation, operations, and maintenance documentation.

Approval Amount: \$1,995,169

Budget ID: **16.0000 included** in **2020-2024 CIP** @ \$1,995,169

	Labor	Contract	Materials	Transportation	Total
Forecast	\$95,169	\$1,800,000	\$50,000	\$50,000	\$1,995,169