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THIS PROJECT WAS A HIGH-LEVEL TECHNICAL FEASIBILITY STUDY TO DEVELOP A COST ESTIMATE AND DOES NOT PROPOSE A SPECIFIC ROUTE.

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APPENDICES

Appendix A  EPS Engineering Report
Appendix B  Public Awareness Flyer
ACRONYMS AND ABBREVIATIONS

ACEP ............. Alaska Center for Energy and Power
ACSR .............. aluminum conductor steel-reinforced cable
ADEC ............. Alaska Department of Environmental Conservation
ADF&G .......... Alaska Department of Fish and Game
ADNR ............ Alaska Department of Natural Resources
AEA ............... Alaska Energy Authority
AGC ............... Alaska Geospatial Council
Agnew::Beck .. Agnew::Beck Consulting, Inc.
AHMG .......... Alaska Habitat Management Guide
AHRS ............. Alaska Heritage Resources Survey
Ahtna .............. Ahtna Environmental, Inc.
AMEC ............ Alaska Mapping Executive Committee
AMI ................ Alaska Mapping Initiative
ANILCA .......... Alaska National Interest Lands Conservation Act
AP&T ............. Alaska Power and Telephone
APE .............. Area of Potential Effect
ASGDC ........ Alaska State Geo-Spatial Data Clearinghouse
Atlas ............ Atlas to the Anadromous Waters Catalog
AWC .............. Anadromous Waters Catalog
AWH .......... Alaska s Wildlife and Habitat
BESS ............. Battery Energy Storage System
BFS ................ United States Department of the Treasury, Bureau of the Fiscal Service
BLM ............. United States Department of the Interior, Bureau of Land Management
BMP .............. Best Management Practice
CAD .............. computer-aided design
Chugach ........ Chugach Electric Association, Inc.
CFR ................ Code of Federal Regulations
CHAT ............. Crucial Habitat Assessment Tool
Commission ... Denali Commission
CVEA ............. Copper Valley Electric Association
DCCED ......... Department of Commerce, Community, and Economic Development
DCRA .......... Division of Community and Regional Affairs
DEM ............... digital elevation model
DGGS .......... Division of Geological & Geophysical Surveys
DoD .............. United States Department of Defense
DOT&PF ........ Alaska Department of Transportation and Public Facilities
DSM .............. digital surface model
EA .............. Environmental Assessment
EPA ............. United States Environmental Protection Agency
EPS ............... Electric Power Systems, Inc.
ERO ................ Energy Reliability Organization
ERSO .........Earth Resources Observation and Science
ESA .............Endangered Species Act
FAA ............Federal Aviation Administration
FONSI ..........Finding of No Significant Impact
GINA ..........Geographic Information Network of Alaska
GIS ..........geographic information system
GNIS ..........GeoNorth Information Systems, LLC
GVEA ..........Golden Valley Electric Association
IBS ..........Integrated Business Suite
IFSAR ..........Interferometric Synthetic Aperture Radar
kcmil ..........kilo-circular-mil
kV ..........kiloVolt
kW ..........kiloWatt
LAND INFO ..LAND INFO Worldwide Mapping, LLC
LiDAR .......Light Detection and Ranging
Maxar ..........Maxar Technologies
MEA ..........Matanuska Electric Association, Inc.
MOA ..........memorandum of agreement
MSB ..........Matanuska-Susitna Borough
MTP ..........Master Title Plat
MW ..........MegaWatt
n.d ..........no date
NEPA ..........National Environmental Policy Act
NHPA ..........National Historic Preservation Act
NRC ..........Nuclear Regulatory Commission
NRCS ..........Natural Resources Conservation Service
NRHP ..........National Register of Historic Places
NWI ..........National Wetlands Inventory
NWP ..........Nationwide Permit
OEG ..........Obstruction Evaluation Group
OHGW ..........overhead ground wire
Quantum ......Quantum Spatial, Inc.
ROW ..........right-of-way
RRC ..........Railbelt Reliability Council
RUS ..........Rural Utilities Service
SDMS ..........Spatial Data Management System
SHPO ..........State Historic Preservation Office
SMR ..........Small Module Reactor
SOI ..........Secretary of the Interior
SPOT ..............Satellite Pour l'Observation de la Terre
SVC ..........static Volt-Ampere reactive compensator
T&E ..........threatened and endangered
TAPS ..........Trans-Alaska Pipeline System

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Trust..............Alaska Mental Health Trust Authority
UAF.............University of Alaska Fairbanks
UAV...............unmanned aerial vehicle
USACE ........United States Army Corps of Engineers
USCG..........United States Coast Guard
USDA..........United States Department of Agriculture
USFWS ..........United States Fish and Wildlife Service
USGS ..........United States Geological Survey
VAR............Volt-Ampere reactive
WAFWA..........Western Association of Fish and Wildlife Agencies
WMS.............web map service
WOTUS ........waters of the United States