Alaska Village Electric Cooperative, Inc./Pitka’s Point Native Corporation Renewable Energy Joint Venture Pitka’s Point/Saint Mary’s Wind Energy Construction Project

Tribal Energy Conference Denver, Colorado November 2017

Forest Button Manager, Project Development & Key Accounts
Who is PPNC?

- ANCSA village corporation
- Serves 426 shareholders
What is the Joint Venture?

- Partnership between AVEC and PPNC
  - To benefit the communities of Pitka’s Point, Saint Mary’s, and Mountain Village
Project Overview

- Installation of one Emergya Wind Technologies (EWT) 900 kW direct drive wind turbine.
  - 52 meter diameter rotor
  - 50 meter high tower
- Upgrade electrical distribution line to three-phase between St. Mary’s and Pitka’s Point
- Upgrades at the Saint Mary’s power plant to effectively utilize wind
- Wind-to-heat component
Project Location

Mountain Village

Pitka's Point

Saint Mary's

Turbine

Anchorage

Google earth
Project Participants

- John Lamont
  - President of PPNC
- Meera Kohler
  - President/CEO of AVEC
- Forest Button
  - Technical Contact of AVEC
- Native Village of Pitka’s Point
- Algaaciq Tribal Council
- Yupiit of Andreafski
- Asa’carsarmiut Tribal Council
- Azachorok, Inc.
- Nerklikmute Native Corporation
- Saint Mary’s Native Corporation
- City of Saint Mary’s
- City of Mountain Village
Project Objectives

Wind Generation

- Replace approximately 202,000 gallons fuel/year
- Save an estimated $874,000/year
- Generate around 2,525 MWh/year
- Eliminate roughly 2,100 Metric tons of CO2/year

Wind-To-Heat

- Replace approximately 4,220 gallons fuel/year
- Save an estimated $11,250/year

Together

- Strive to stabilize future energy costs
- Reduce risk of environmental damage
Progress:

- Turbine – Ready for Shipment Certificate Received
- Road, pad, and foundation complete
- Electrical upgrade scheduled for Spring 2018
- Next steps…
  - Intertie Mt. Village with St. Mary’s
Road, Pad & Foundation Construction
Thank you!

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Questions?