

# 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



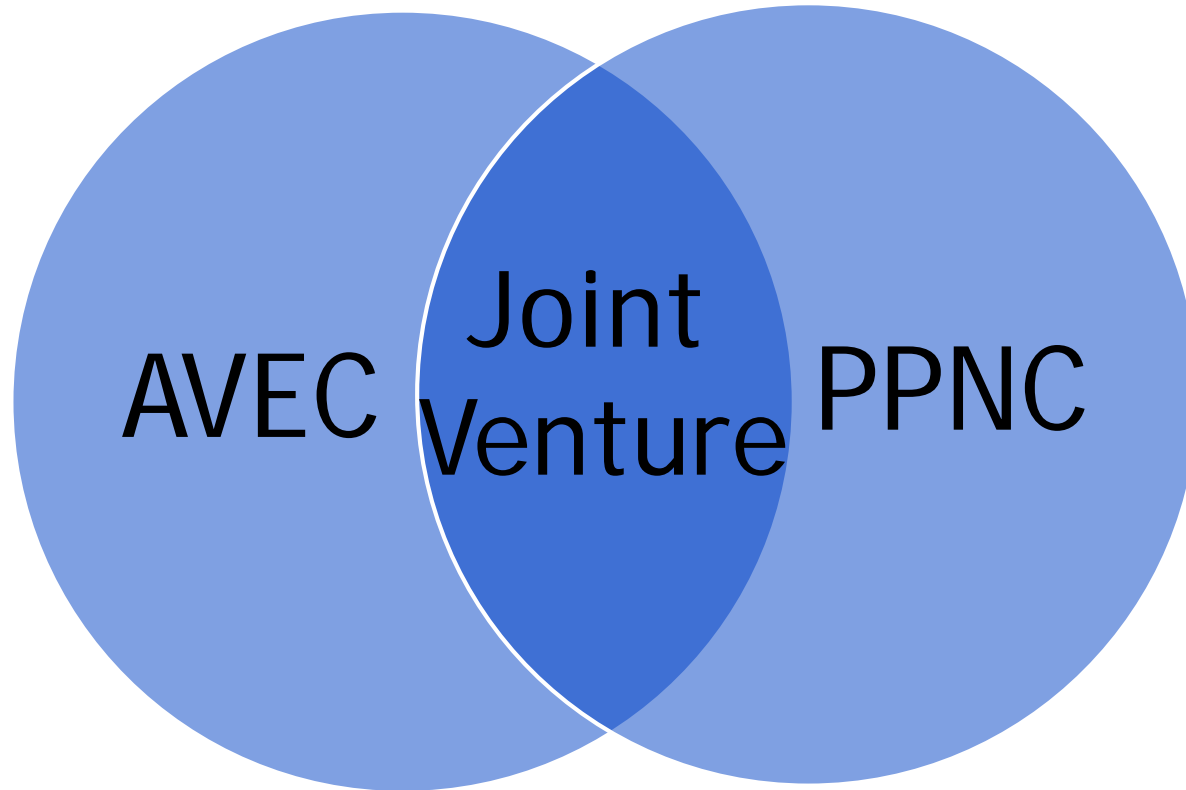
# Who is PPNC?

- ▶ 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



# 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 Andreefski
- ▶ Asa'carsarmiut Tribal Council
- ▶ Azachorok, Inc.
- ▶ Nerklilmute 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 CO<sub>2</sub>/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

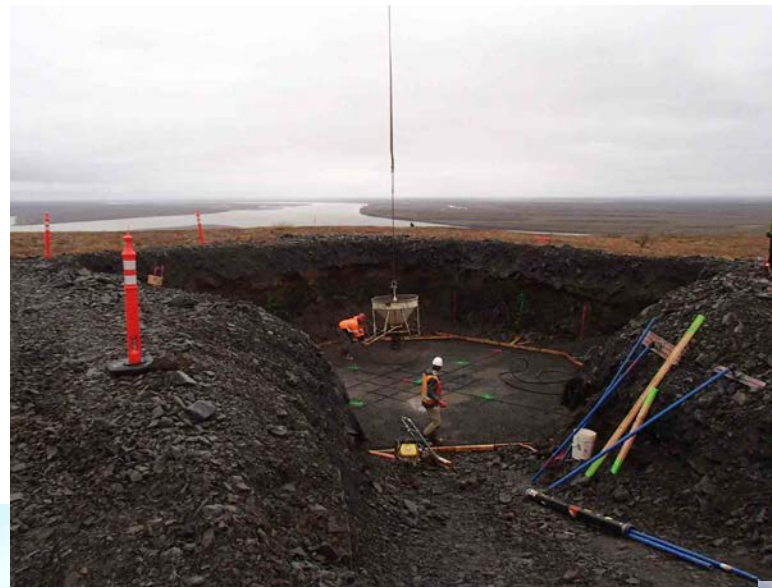
Electrical upgrade scheduled for Spring 2018

Next steps...

Intertie Mt. Village with St. Mary's



# Road, Pad & Foundation Construction





Thank you!

Questions?

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