

Tanana
Chiefs
Conference

Energy Program Funding & Mission

February 20th, 2025

Edward Dellamary, Rural Energy Manager

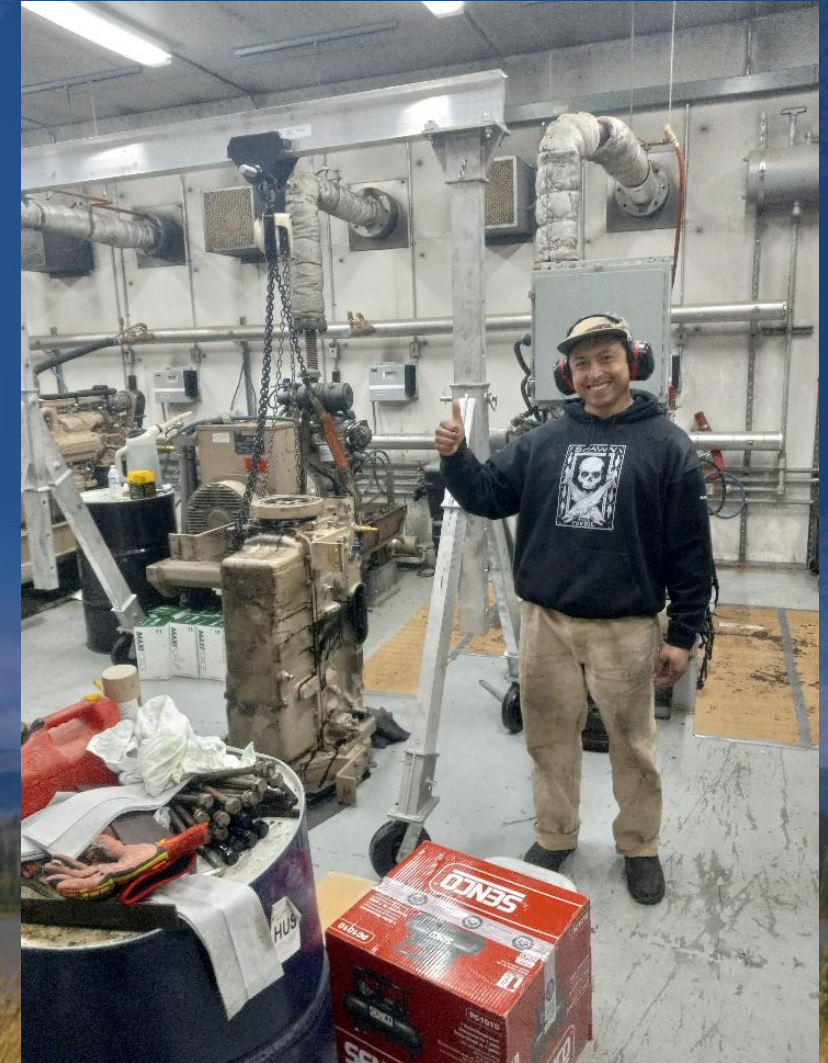
Tanana Chiefs Conference

- Tribal Consortium composed of 42 members;
37 federally recognized tribes
- 6% of Federally Recognized Tribes
- Our Region covers 235,000 square miles in interior Alaska, Slightly smaller than state of Texas
- 9 communities on the Road-System



TCC Energy Program

- Grant Writing
- Emergency Energy Support
- Energy Infrastructure Support
- Renewable Energy Project Planning & Implementation
- Energy Administrative Assistance for Utility Management
- Engineering Support



TCC Energy Landscape

Utilities in our Region

- Alaska Village Electric Cooperative serves 8 villages
- AP&T serves 10
- Village Corporations serve 3 (MTNT Ltd, GZ Corp. TDX)
- Independent utilities serve 15 of our communities
- GVEA serves Nenana

Price Breakdown

- Average price of fuel : \$7.02 / Gallon
 - Fuel is ~50% of the total expenditure of the Utility
- Average price of electricity (\$/kWh) = \$0.80/kWh → \$0.27/kWh effective



TCC Energy Projects

- Energy Efficiency → Every \$ saved is a \$ earned
- Tribal Utility Business Models → Economies of Scale
- Critical Energy Upgrades
- Energy Planning
- Renewable Energy
 - Solar Photovoltaic + Battery Energy Storage Systems + Critical Electrical Grid Enabling Upgrades

Work towards Tribal Energy Sovereignty



Funding Freeze

\$16 Million Dollars “secured”

- BIA Tribal Electrification
- Alaska Energy Authority, Renewable Energy Funds
- Denali Commission
- Volkswagen Settlement

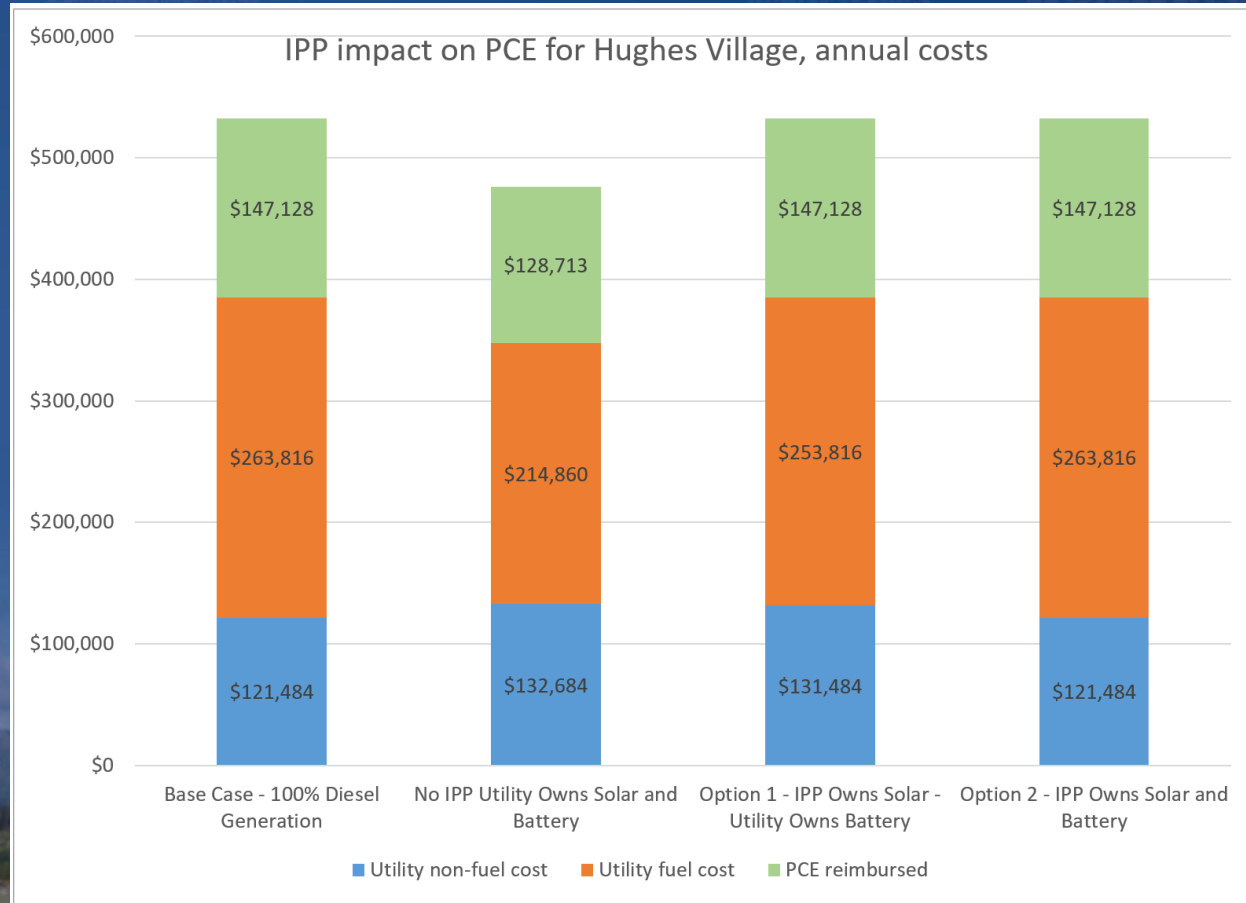
\$131 Million Dollars “at-risk”

- USDA High Energy Cost Grant
- Environmental Protection Agency
 - Climate Pollution Reduction Grant
 - Solar For All
- Department of Energy
 - Office of Clean Energy Demonstrations
 - Office of Indian Energy



Hughes, Alaska

- 120 kW Solar PV Array
- 350 kW/250 kWh Battery Storage System
- ~60,000 gallons of Diesel a year before solar/BESS
- ~50,000 gallons of Diesel a year after solar/BESS
 - \$10,000 gallons saved ~ \$90,000 saved
- 12 hours of diesel's off time in Sunny Months ~ \$5,000 in maintenance savings/annually



Questions?

- Mahsi'Choo & Anaa' baasee
- Thank you to our tribes, tribal leaders, our funding agencies (federal & state), our grant writers (Deerstone), contractors, and staff at TCC

