

Native Village of Kongiganak Puvurnaqa Power Company

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Chaninik Wind Group Villages

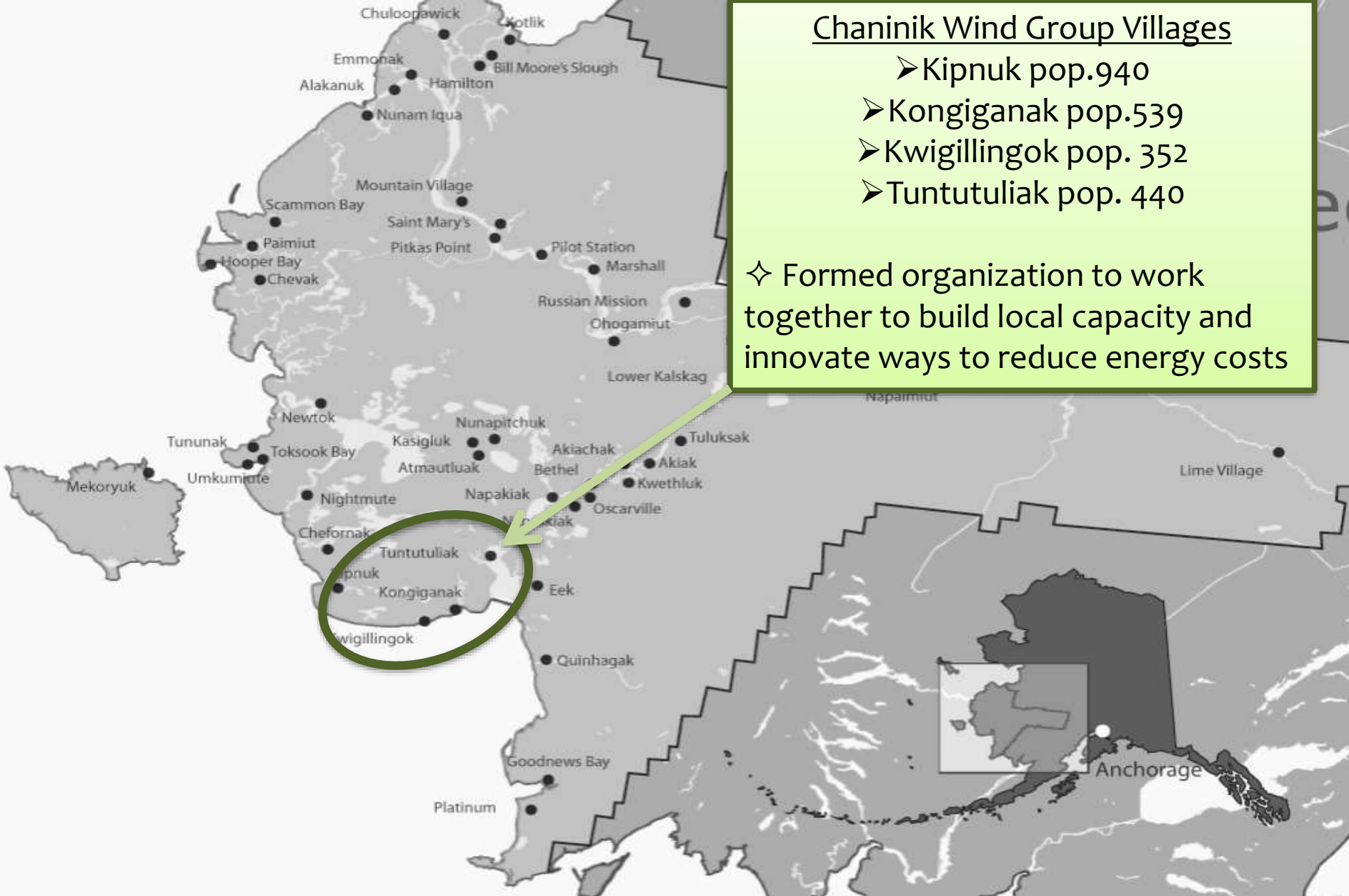
➤ Kipnuk pop.940

➤ Kongiganak pop.539

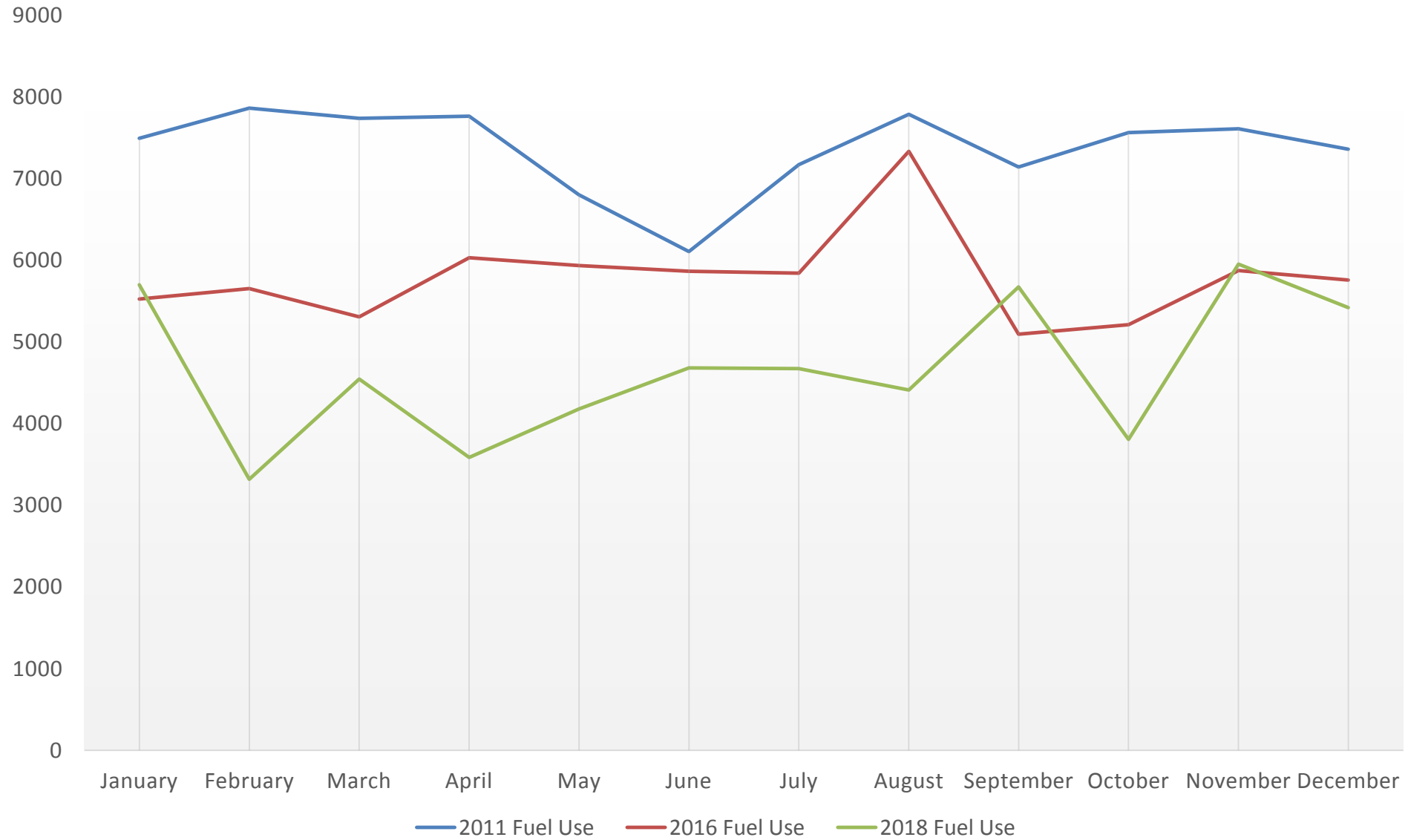
➤ Kwigillingok pop. 352

➤ Tuntutuliak pop. 440

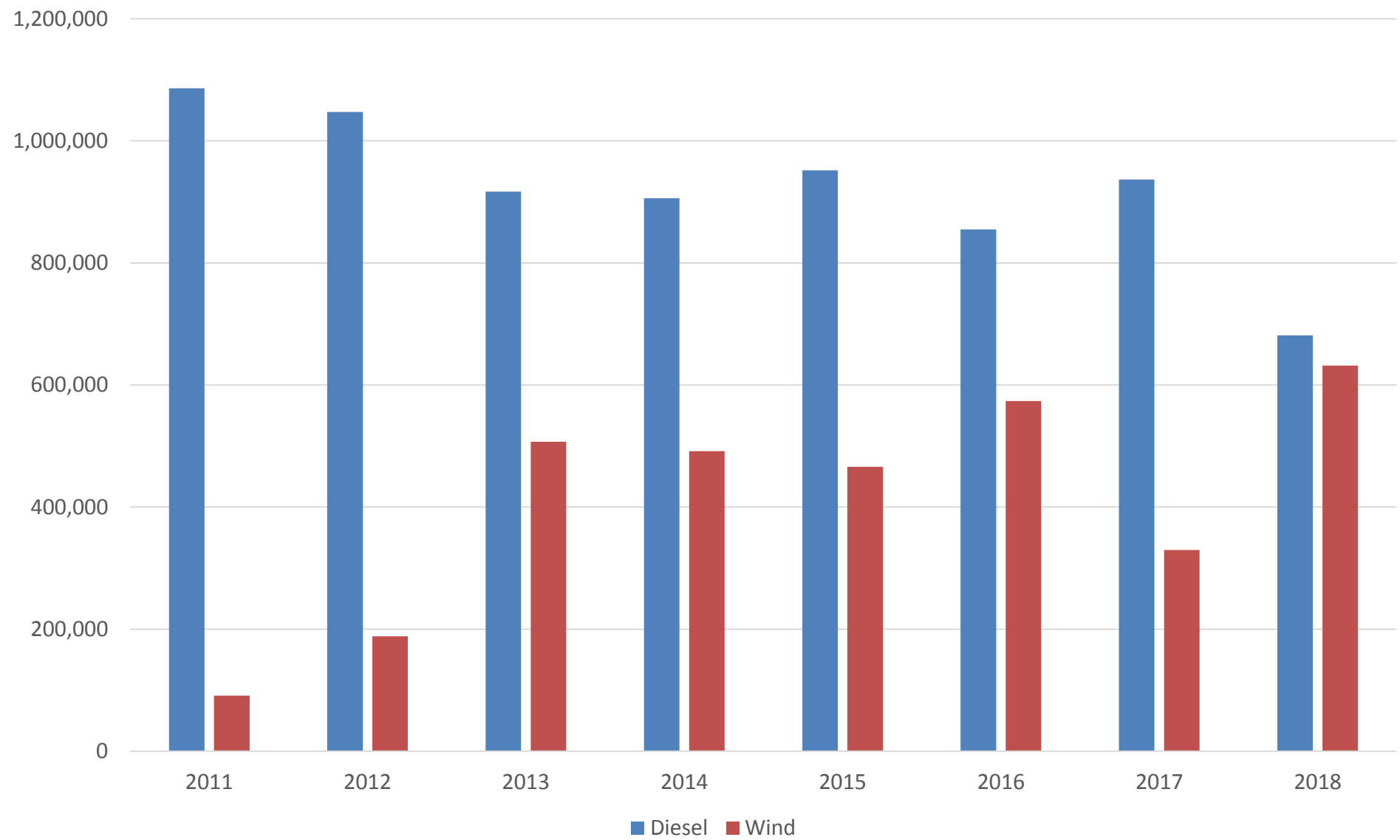
❖ Formed organization to work together to build local capacity and innovate ways to reduce energy costs



Diesel Fuel Used For Generators



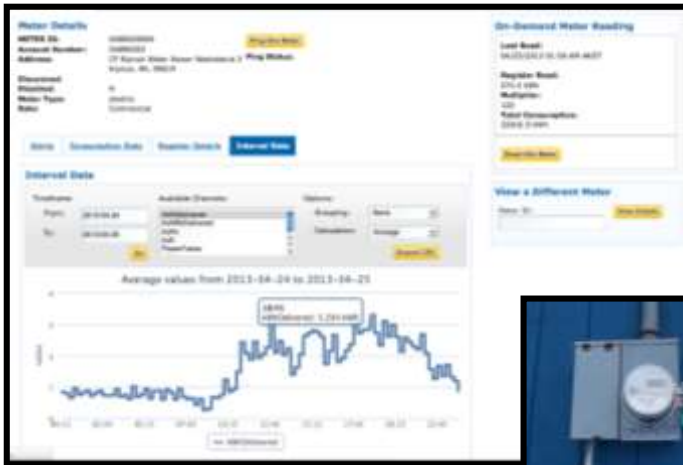
Diesel and Wind Generation



Wind Heat System Components

Power System in Kongiganak

- 5 - 95 kW Windmatic wind turbines
- Electric Thermal Storage(ETS) devices
- Community-wide Smart Metering and Smart Grid control
- Lithium Ion Battery Storage installed in 2018



Electronic Thermal Stoves (ETS)

- ETS heat output at high is equivalent to a Toyostove Laser 56
- \$.10 per kwh is equivalent to buying diesel at \$3 per gallon
- Current diesel price in Kongiganak: \$5 per gallon

RESULTS!



Quyana cakneq!

Thank you very much!

Special Thanks To

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This work is possible because of your support.

