

AVEC Wind Program Recap (As of January 01, 2019)

AVEC expanded its fleet of wind turbines to 36 in 2018 with the installation of 2 EWT 900 kW turbines in the communities of Bethel and Pitka's point; which will serve St. Mary's, Pitka's Point and Mt. Village with the completion of an intertie in the spring of 2019. This brings the total wind generation capacity to 5,064 kW system wide.

Our newest additions in Bethel and Pitka's Point represent a major step forward as the EWT 900 kW turbines have variable output and pitch control. AVEC has installed wind generation in 13 communities with interties to an additional seven:

- Chevak – 400 kW
- Emmonak – 400 kW (intertie to Alakanuk)
- Gambell – 300 kW
- Hooper Bay – 300 kW
- Kasigluk – 300 kW (interties to Nunapitchuk/Akula Heights)
- Mekoryuk – 200 kW
- Quinhagak – 300 kW
- Savoonga – 200 kW
- Selawik – 264 kW
- Shaktoolik – 200 kW
- Toksook Bay – 400 kW (interties to Nightmute and Tununak).
- Bethel – 900 kW (interties to Oscarville and Napakiak)
- Pitka's Point – 900 kW (intertie to Mt. Village spring of 2019)

As a major component of the planning phase of wind projects, AVEC has operated or installed meteorological towers erected in many of our communities. Resource assessment projects and the installation of MET towers in Teller, Marshall, Scammon Bay, New Stuyahok, Eek, Goodnews Bay, and Stebbins are guiding us in evaluating future projects.

The design for a EWT 900 kW turbine in Stebbins is 95% complete. AVEC is pursuing grant funding and hopes to construct in 2021. The communities of Stebbins and St. Michael are connected via an intertie and have both pledged their NSEDC funds to make this project a reality.