

SEALASKA RENEWABLE ENERGY INITIATIVE

Initiative Background

Sealaska is a Native institution owned by more than 20,000 tribal member shareholders, the indigenous people of Southeast Alaska. Our land management and business principles are guided by cultural values and ancient traditions of environmental stewardship, and strengthening the communities in which we live. We are continually working towards building economically sustainable local communities, including Alaska Native villages, in new and innovative ways.

In 2009 Sealaska committed to the conversion of our Juneau corporate headquarters into the first commercial building in Alaska to run off of renewable bio-energy (wood pellet fired boiler technology). This effort is one element of Sealaska's initiative to build sustainable Southeast Alaska economies, and our corporation leaders believe this project will show that conversion to biomass can save money, reduce hydrocarbon-based footprints and create anchor demand for resources that can be supplied within the region.

According to Sealaska President and CEO Chris E. McNeil, Jr. "Our model to convert our headquarters to renewable energy can be replicated throughout the region and will reduce the consumption of fossil fuels and lead to greater energy independence within the region."

Expanding the Initiative

Sealaska's strong belief in the merits of bio-energy has led to the development of an initiative where, through a partnership with Ventek Energy Systems Inc, we are now both marketing and installing biomass systems throughout SE Alaska.

All sales and installation projects are being handled by Sealaska's wholly-owned design-build and construction management subsidiary Synergy Systems. Synergy Systems is a Small Business Administration (SBA) 8(a) certified firm and is certified as a MBE by the National Minority Supplier Development Council.

Through our well-established partnership with Ventek, Sealaska is excited to offer both public and private customers a variety of fully integrated bioenergy equipment solutions and services from raw material supply to complete system installations.

Renewable Energy Solutions Team

Together Sealaska and Ventek have assembled a team of seasoned professionals with disciplines specific to the bio-energy field including engineering, controls, installation and commissioning. Our key areas of expertise include low-pressure hydronic heating systems, low and high-pressure steam heating systems, and biofuel drying systems for the commercial, institutional and industrial sectors.



Our team's solutions oriented marketing approach allows customers to select from a variety of project options, which are presented to them by our highly qualified team after a thorough evaluation of each project.

Service and solutions options offered by Sealaska range from full purchase and installation of bio-energy systems, to financing options through our parent company Sealaska where customers are able lease equipment and purchase heat energy to match their needs.

Additionally, we can provide design and installation of biofuel storage, conveying and handling facilities. Together our products and services provide our government and commercial customers innovative, turn-key solutions from project design to commissioning.

Product and Service Offerings

All products offered by Sealaska are manufactured by Viessmann/KOB (Ventek is the exclusive distributor of Viessmann/KOB products for the state of Alaska)

Product Offerings –

- **Pyrot:** a completely automatic biomass boiler, capable of burning a wide range of wood types.
- **Pyrotec:** the solution for larger heating loads
- **Putzmaus:** boiler tube cleaning system is a proven self powered cleaning device that works on compressed air
- **World Thermal Service:** Wood Powder Combustion Burner technology (WTS) capable of operating on 100 % wood powder with no pilot flame or additional fuel source.

Service Offerings –

- Engineering
- Bio Fuel and Logistics
- Project Economics
- Carbon Footprint Calculations
- Containerized Systems
- Project Management
- Feasibility Studies
- Sealaska Financing/Purchase Options
- Training and Support

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