



Sealaska Plaza Building – Juneau, AK

Background

The 58,000-square-foot Sealaska Plaza building is the headquarters for the Sealaska Corporation, a Tlinqit, Haida and Tsimshian-owned Native Corporation.

The Viessmann Solution

A Pyrot wood-fired boiler was commissioned to replace the building’s two outdated oil-fired boilers.

Installation Details

The fully-automatic Pyrot KRT-220 wood-fired boiler is fed by a 19-ton, custom-built and painted fuel pellet storage silo. With a rated output of 751 MBH, it handles the building’s space and domestic hot water (DHW) heating loads.

The Pyrot is equipped with the industry-leading control and safety devices to ensure reliable and safe operation. Its advanced rotary combustion process, triple-pass heat exchanger and modulating output control enable the boiler to achieve an efficiency of 85% while maintaining low emission levels. An automatic deashing system keeps maintenance to a minimum, and a web interface allows remote system monitoring.

The Results

The Pyrot boiler consumes 260 tons of fuel annually, displacing 31,560 USG of fuel oil each year and representing a carbon savings of 330 tons.

Project Details

Project Year	2010
Equipment	Pyrot KRT-220
Rated Output	751 MBH / 220 kW
Mechanical Contractor	Behrends Mechanical Inc., Juneau, AK



A state-of-the-art Pyrot wood-fired boiler replaced Sealaska’s outdated oil-fired boilers



Wood pellet fuel is delivered to the storage silo



The Pyrot boiler displaces 31,560 USG of oil fuel each year

Viessmann Manufacturing
Company Inc.
Waterloo, ON Canada
1-800-387-7373
www.viessmann.ca

Viessmann Manufacturing
Company (U.S.) Inc.
Warwick, RI U.S.A.
1-800-288-0667
www.viessmann.us

VIESSMANN[®]
climate of innovation[®]