

Robbins Lumber

An Efficiency Maine Case Study



Robbins Lumber, a fifth-generation family-owned business, has been producing fine Eastern White Pine products in Maine for over 140 years. Acting on its commitment to efficiency and sustainability, Robbins Lumber partnered with Efficiency Maine's Custom Program to upgrade its dust collection system and install a 275 kW micro steam turbine.

The high-efficiency dust collection system, installed by Aquest Corporation, reduces energy costs by filtering and recirculating conditioned air while using variable-frequency drives (VFDs) to optimize fan motor speed. At a different Robbins Lumber facility, the micro steam turbine, installed by NLine Energy, generates electricity from high-pressure steam while delivering low-pressure steam for lumber drying kilns.



Dust Collection System

Both projects exemplify smart energy solutions for sawmills, where dust collection demands are high and biomass fuel is readily available. With a combined incentive of \$248,000, Robbins Lumber expects annual energy savings of 960,000 kWh plus 1,300 MMBtu of propane, achieving a simple payback of under five years.

Efficiency Maine Custom Program incentives can help businesses explore cost-effective energy solutions. Contact us today to see what's possible for your facility.

Reach the Commercial and Industrial (C&I) Custom Program at **207-358-7957** or **custom@efficiencymaine.com**.

