

Valley Waste Offices

LOCATION	Kentville, NS
SIZE	6705 sqft.
# OFFICES	12
ESTIMATED HEATING	\$1,088
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FOUNDATION	R-34 : ICF with walk-out basement
WALLS	R-47 : SIP panel with 2x4 service wall
ROOF	R-93 Wood truss
HEATING	Air-air heat pump and electric baseboard
VENTILATION	Tempeff cross-flow HRV: 88% efficiency
COOLING	Air-air heat pump
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DESIGN	Solterre Design
ENERGY CONSULTING	Passive House E-Design
BUILDER	Roscoe Construction

- Valley Waste Management committed to a head office that embodied their corporate values: early requirements included energy efficiency and using local, durable and recycled materials.
- This challenging site sloped considerably, and a balance was struck between the solar gain to the south and the great view to the north.
- A compact building shape supports energy efficiency while providing uplifting and beautifully lit spaces.
- Total energy savings for 30-year ownership predicted at \$300,000.
- The project received both LEED GOLD and PASSIVE HOUSE certifications.

“Valley Waste sought to achieve excellence in energy efficiency in the design and operation of our new administration facility in Kentville. Passive E-Design became an integral and valued part of our team. Our collective goal was to create a healthy and welcoming work space while from a financial perspective ensuring minimal utility costs for taxpayers. With Natalie’s knowledgeable input, we are well on our way to achieving those long term goals..”

~ Ross Maybee, General Manager,
Valley Waste-Resource Management

