

Bungalow “on a Budget”

LOCATION	East River, NS
SIZE	1425 sqft.
# BEDROOMS	2
ESTIMATED HEATING	\$125
<hr/>	
FOUNDATION	R-44 slab-on-grade
WALLS	R-56 2x8 with polyiso sheathing and service wall
ROOF	R-100 wood truss
HEATING	Wood heat with radiant slab
VENTILATION	Venmar Eco 1.5 HRV – 73% efficiency
COOLING	Passive nighttime cooling
<hr/>	
DESIGN	Passive House E-Design and Owner
ENERGY CONSULTING	Passive House E-Design
BUILDER	Passive House E-Design and Owner
LANDSCAPE	Owner

- This project was commissioned by one of our regular tradesmen, a huge vote of confidence when our builders want these houses for themselves!
- One of the least expensive houses we’ve built to date, proving that near-passivehouse efficiency can be coupled with construction costs equivalent to code-built custom costs.
- This project was designed to eventually be net-zero, and the solar array necessary to provide all energy to this house was priced under \$25,000 installed.

“I first learned of Passive House E-Design when I was contacted by Natalie to do the plumbing work on one of their projects. Natalie and Mike both have an eye for detail and always put the interests of their clients as top priority. We have since built and are now living in it. We can heat the whole house easily and evenly from one arm load of wood per day in the coldest months of winter. Our power bill for December and January was \$207.00. I expect our total power bills to be under a \$1000.00 for the year.

We love the design of this house . It is very functional and easy to keep clean and organized. Would recommend Passive House design to anyone.” ~ Dan and Mandy Cote

