

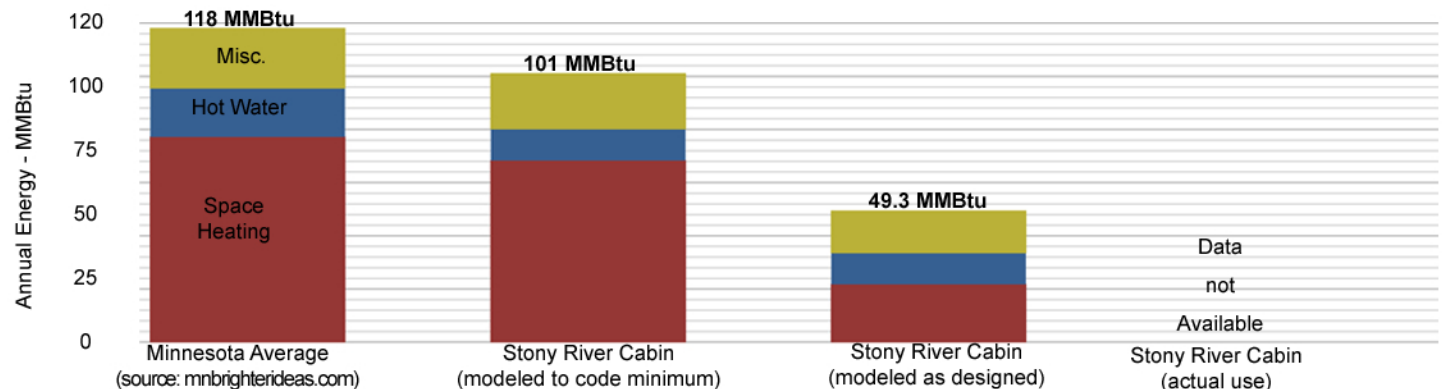
## CONSTRUCTION

<b>Size</b>	basement   662 gross square feet, unfinished first floor   662 gross square feet second floor/loft   242 gross square feet
<b>Foundation</b>	basement   R-21 Insuated Concrete Form (ICF), with 2" additional XPS (R-10) 4" poured concrete slab over 8" EPS (expanded polystyrene) insulation (R-37)
<b>Walls</b>	2x6 wood studs with R-21 cellulose cavity insulation and 2" continuous polyisocyanurate foam sheathing (R-12) on the exterior beneath wood furring strips and galvanized corrugated metal siding
<b>Windows</b>	insulated fiberglass frames with tri-pane glazing
<b>Roof</b>	metal roof, blown-in cellulose insulation in attic (R-64)
<b>Materials</b>	galvanized corrugated metal siding wood strip, cork and linoleum flooring
<b>Mechanical Systems</b>	
heating	high-efficiency propane-fired space heater electric baseboard woodstove (primary heat source when cabin is occupied)
hot water	high efficiency electric water heater
ventilation	high efficiency, balanced heat recovery mechanical ventilation
<b>Renewable Energy</b>	passive solar building design EPA rated wood stove

## ENERGY EFFICIENCY

Annual Heating Load	23.6 MMBtu/year
Designed Heating Load	12.1 kBtu/hr
How Efficient?	air tightness tested at 0.4 ACH50 (passive house air tightness met) needs 2/3 less energy for heat than a code-built cabin

### ENERGY COMPARISON



## STONY RIVER CABIN