

























- Passive House is aiming at a reduction of energy consumption of 70-90%.
- Some incremental cost for the advanced envelope, but it is also saving cost for mechanical system and energy cost in future
- Aiming at 100% or adding renewable energy systems instead would be unfortunately today far more expensive!

































Air tightness $n_{50} \leq 0.6 / h$







































Passive House in BC, principles and applications Part 2: Lydia Dürfeld





• Annual heating bill for the Austria Haus (now the Lost Lake Passivhaus) from February 2011 to February 2012:

\$ 233.75



Demonstrate that:

- We can achieve the Passive House Standard;
- We can meet the Standard at Affordable construction costs;
- We can meet the Standard using sustainable building materials with low embodied energy;
- We can meet the Standard using locally based, when available, and;
- Design a panelized system that works well with prefabrication and transportation .









Airtightness Comparison	
	ACH
Rainbow Passive House	0.25 & 0.3
Passive House Standard	0.6
R2000	1.5
Average Canadian Home	5-7















Enid was finally ready to admit that compliance was a bit more complicated than she first thought.

with the municipality up front to determine an approval process that will work for all parties.

If you want to go fast... Go alone, if you want to go far, go together!

Thank you