

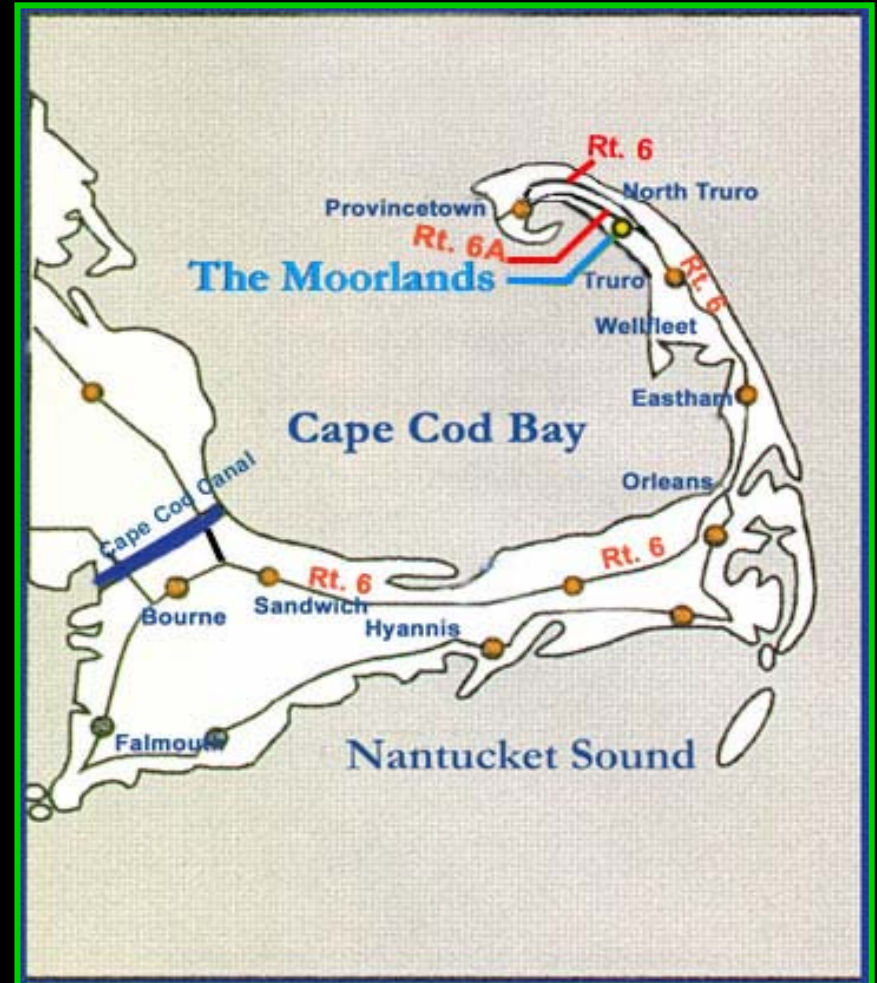
# LEEDing the Way to a Greener Future



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ENVS 664  
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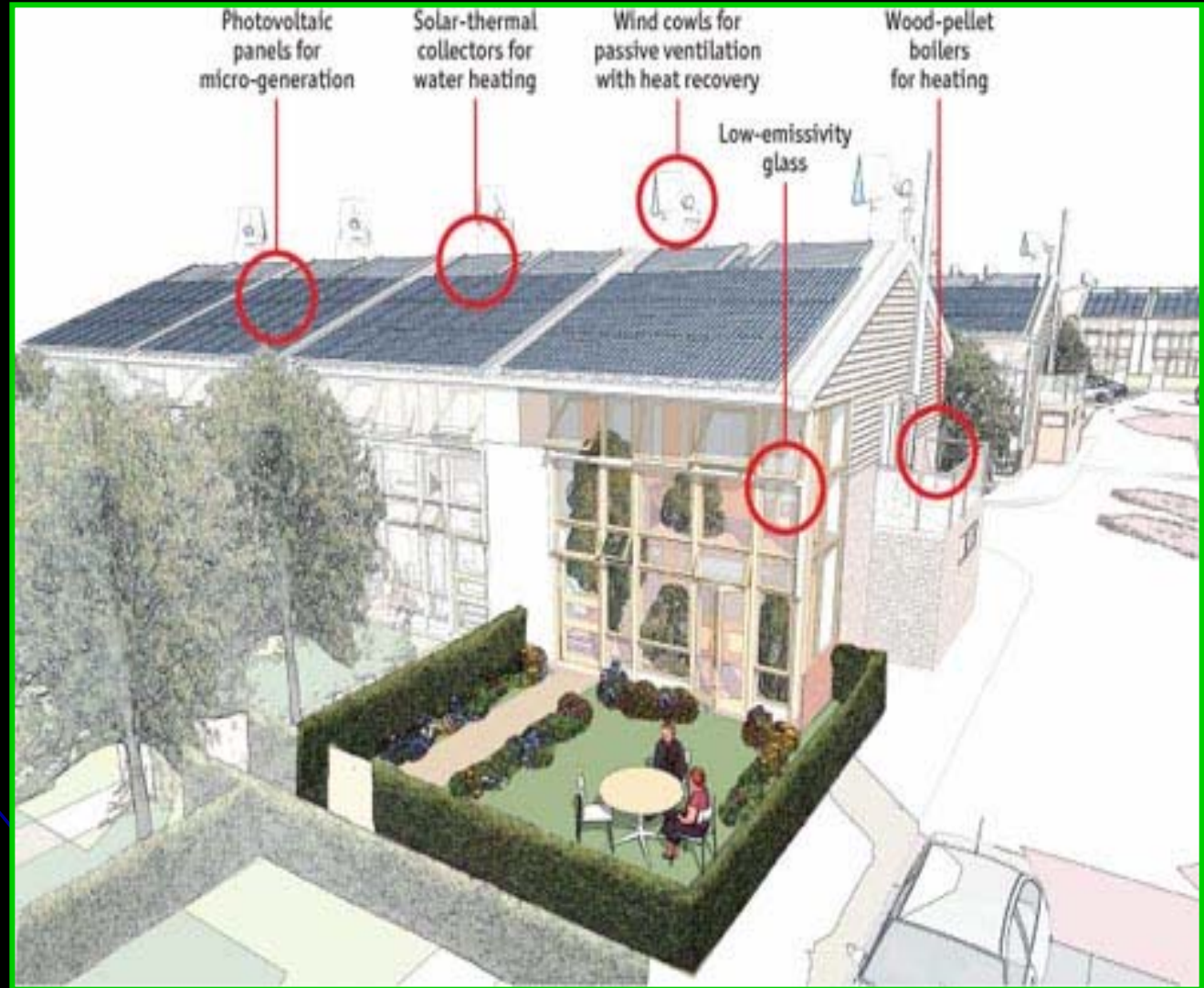
# The Rogers Home

- North Truro, Massachusetts
- Single-family dwelling
- LEED Platinum
  - Certified August 2007
- Only 8<sup>th</sup> home to attain said status
- Builder = owner



# LEED Defines a Green Home<sup>2</sup>

- Energy
- Indoor Air Quality
- Materials
- Water
- Sites





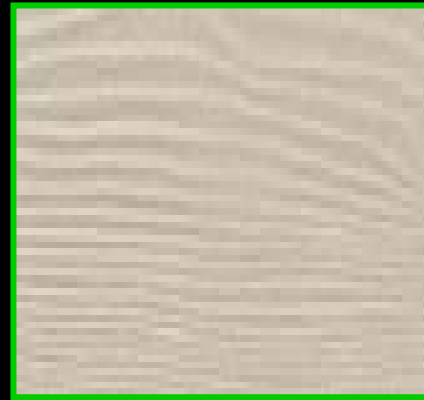
# Indoor Air Quality @ the Rogers

- No carbon monoxide production
- Few toxic materials
- No formaldehyde
- Low levels of VOC's



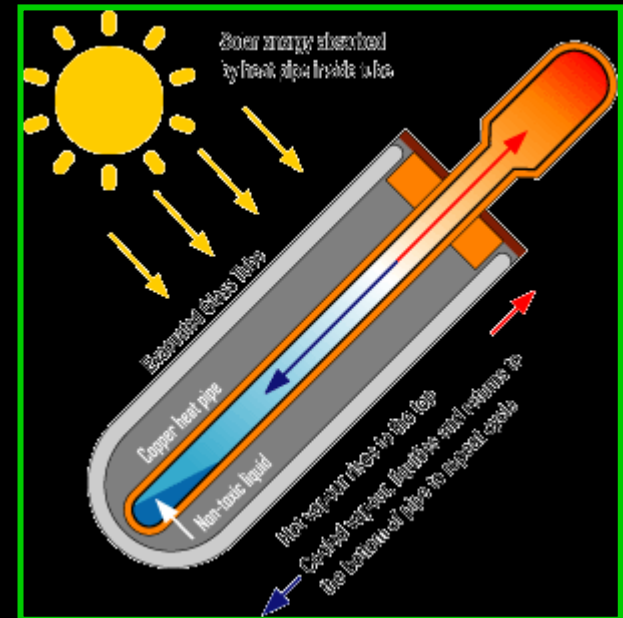
# Materials Used @ the Rogers

- Roof shingles = recycled plastic and sawdust
- Siding = HardiPlank™ = partly wood and partly cement
- Decking = Trex™ = wood and plastic fibers



# Water Features @ the Rogers

- Water-heating tubes
- Modern appliances
- Dual-flush toilets
- Low-flow taps and showers



# Site of the Rogers



# Site



# DISCUSSION

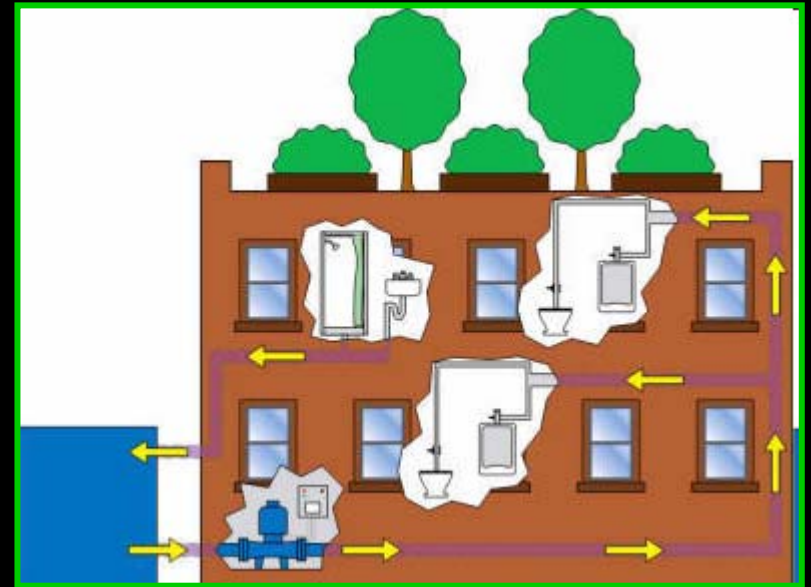
Table 1

LEED for Homes Certification Levels	Points Required
Certified	45 - 59
Silver	60 - 74
Gold	75 - 89
Platinum	90 - 136
Total Available	136

Source: LEED® for Homes Rating System

# What Could Have Been Different?

- Original Roof
- Hot Water System
- Gray-water system



# Conclusion

- How Much Does it Cost?
- I'll buy it.



# References

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