House and Barn Renovation



Building Science Corporation



Durability

The effects of building development on the environment are at the most basic level about **durability**.

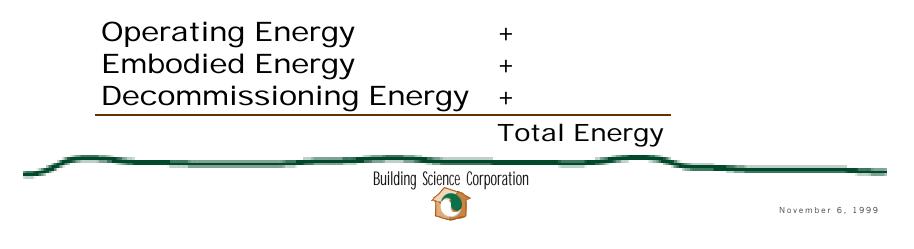
Building a house or community is really about the durability of people (health, safety and well being of people), the durability of buildings (the useful service life of a building is typically limited by its durability), and the durability of the planet (the well being of the local and global environment).

Durability is really another way of expressing the concept of **sustainability** to the building community.



Goals

- Create buildings that ensure a healthy environment for its occupants
- Deliver building that are durable (life expectancy of 100 years with only minimal replacement of parts needed) thereby reducing future waste and depletion of natural resources
- Deliver buildings that have low total energy consumption during their lifetime. They must have low operating energy since operating energy accounts for 70-to-90% of the total energy consumption



Design Priorities

- Health and Safety
- Durability
- Comfort
- Affordability
- Resource Efficiency
- Aesthetics

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