



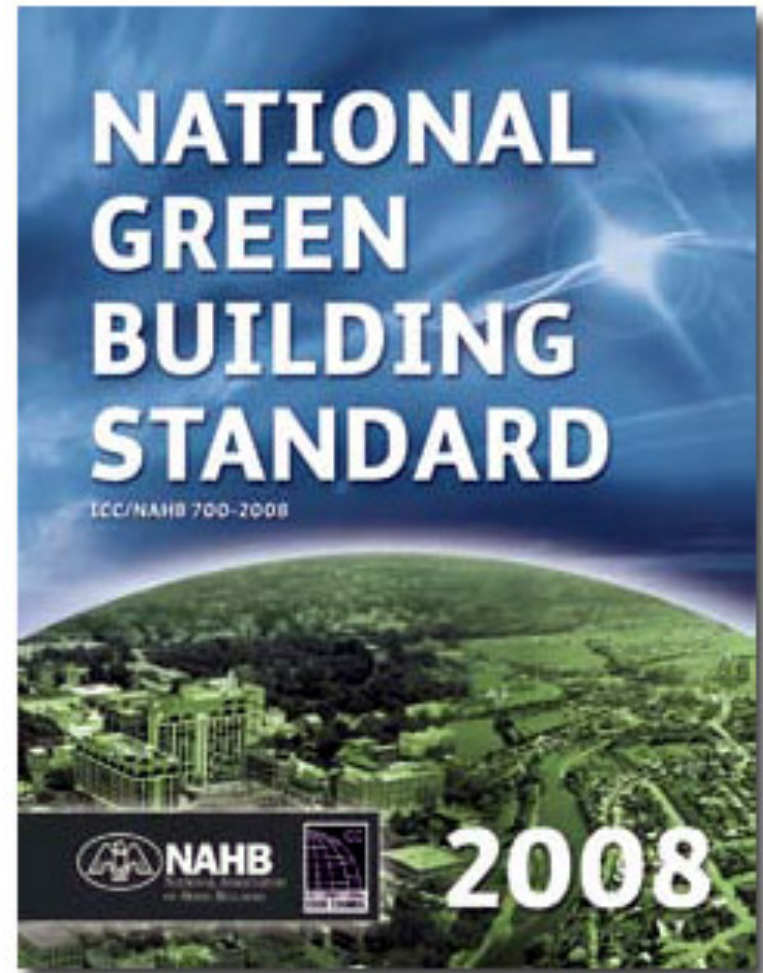
# National Green Building Standard – ICC 700

NIST Workshop  
Strategies to Get to Net Zero  
Energy Homes

September 15, 2011

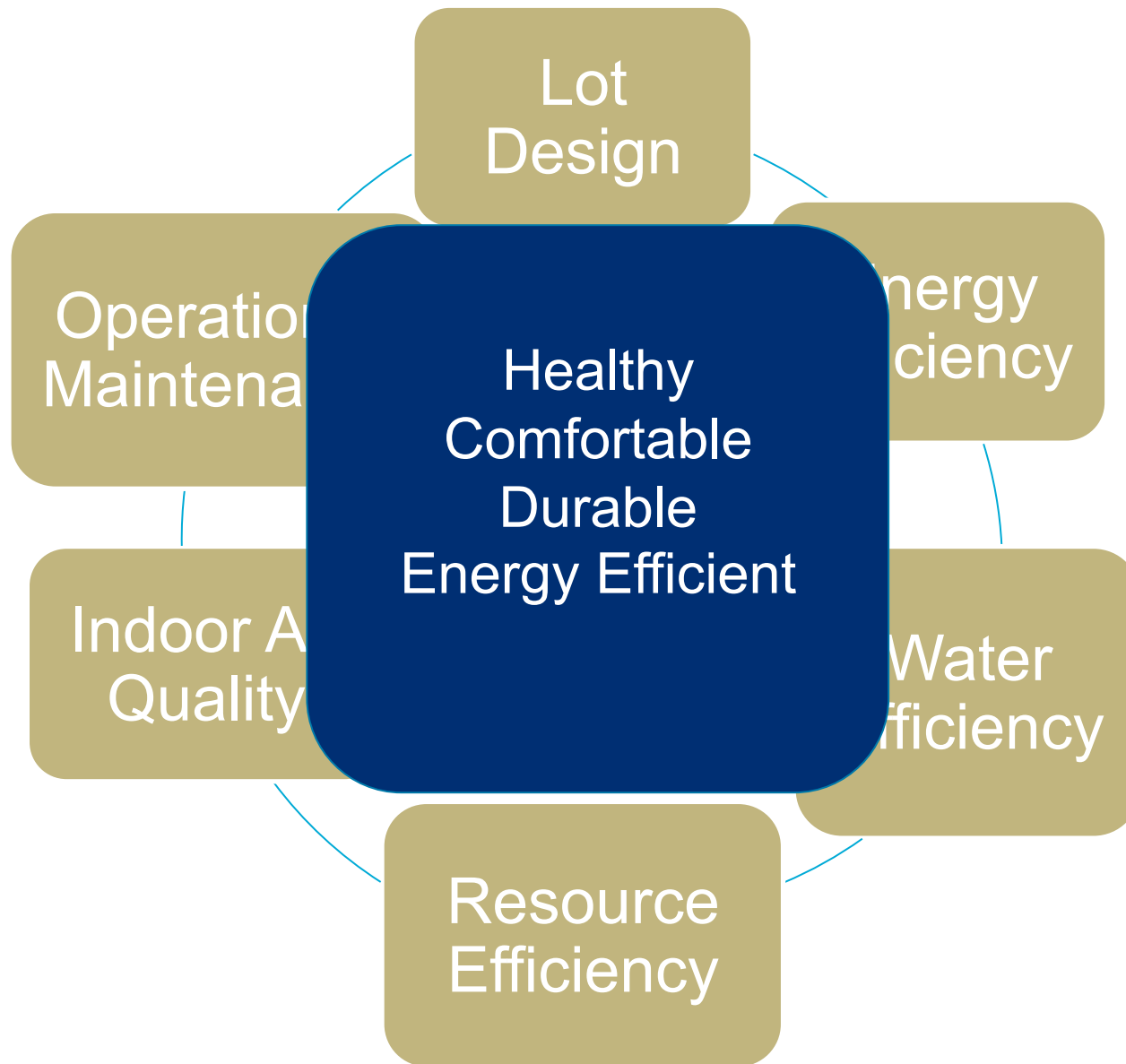
# National Green Building Standard ICC 700

- Approved by American National Institute of Standards (ANSI) January 2009
- Provides rating system of a home's environmental impact
- Sets four performance levels for green homes
- Government entities look to ANSI standards to set industry benchmarks
- Designed to be voluntary, above-code program



# Hallmarks of ANSI Process

- Consensus by balance of stakeholders
- Broad-based public review and comment
- Consideration of comments submitted
- Incorporation of approved changes into standard
- Right to appeal for anyone who believes due process was not respected

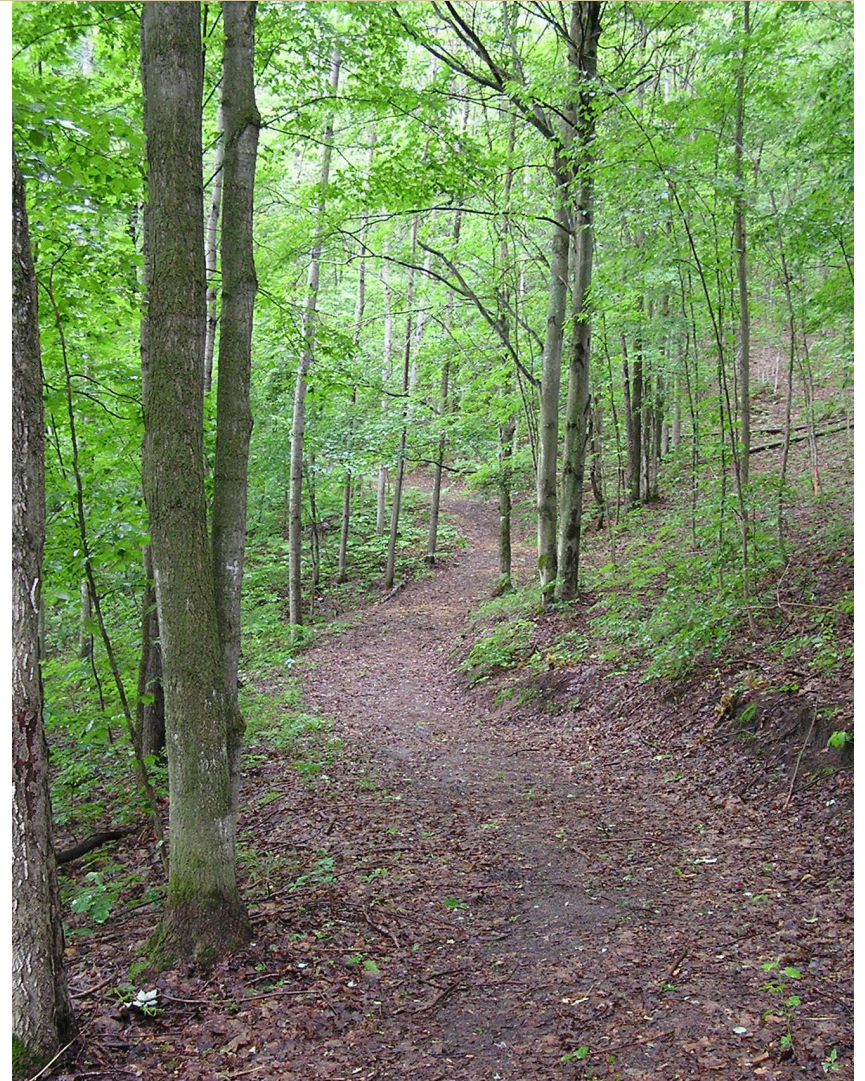


# Scope of NGBS

- Communities
- Residential Buildings
  - Single-Family & Multi-family
    - New Construction
    - Additions & Renovations & Remodel



# Land Development



National Green Building Certification

# Land Development

- One - Four Stars
- Point-based performance criteria
- Measures for planning, design, and construction
- Mixed-use development
- Urban, suburban, rural
- Land Points for home compliance



# Single-Family



National Green Building Certification



# Single-Family



## Habitat for Humanity Homes



National Green Building Certification

# Multifamily



National Green Building Certification



# Green Remodel MF



# Performance Levels

Green Building Categories			Performance Level Points <sup>(1) (2)</sup>			
			BRONZE	SILVER	GOLD	EMERALD
1.	Chapter 5	Lot Design, Preparation, and Development	39	66	93	119
2.	Chapter 6	Resource Efficiency	45	79	113	146
3.	Chapter 7	Energy Efficiency	30	60	100	120
4.	Chapter 8	Water Efficiency	14	26	41	60
5.	Chapter 9	Indoor Environmental Quality	36	65	100	140
6.	Chapter 10	Operation, Maintenance, and Building Owner Education	8	10	11	12
7.		Additional Points from any category	50	100	100	100
<b>Total Points:</b>			<b>222</b>	<b>406</b>	<b>558</b>	<b>697</b>



# ToolBase.org

- **Zero Energy Homes: A Brief Primer**  
A presentation describing the components of a Zero Energy Home.
- **ZEH Impact Study**  
The Potential Impact of Zero Energy Homes demonstrates the significant long-term energy and environmental benefits of **ZEH** and encourages more builders to investigate the idea for their customers.
- **Seven Steps to a ZEH**



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