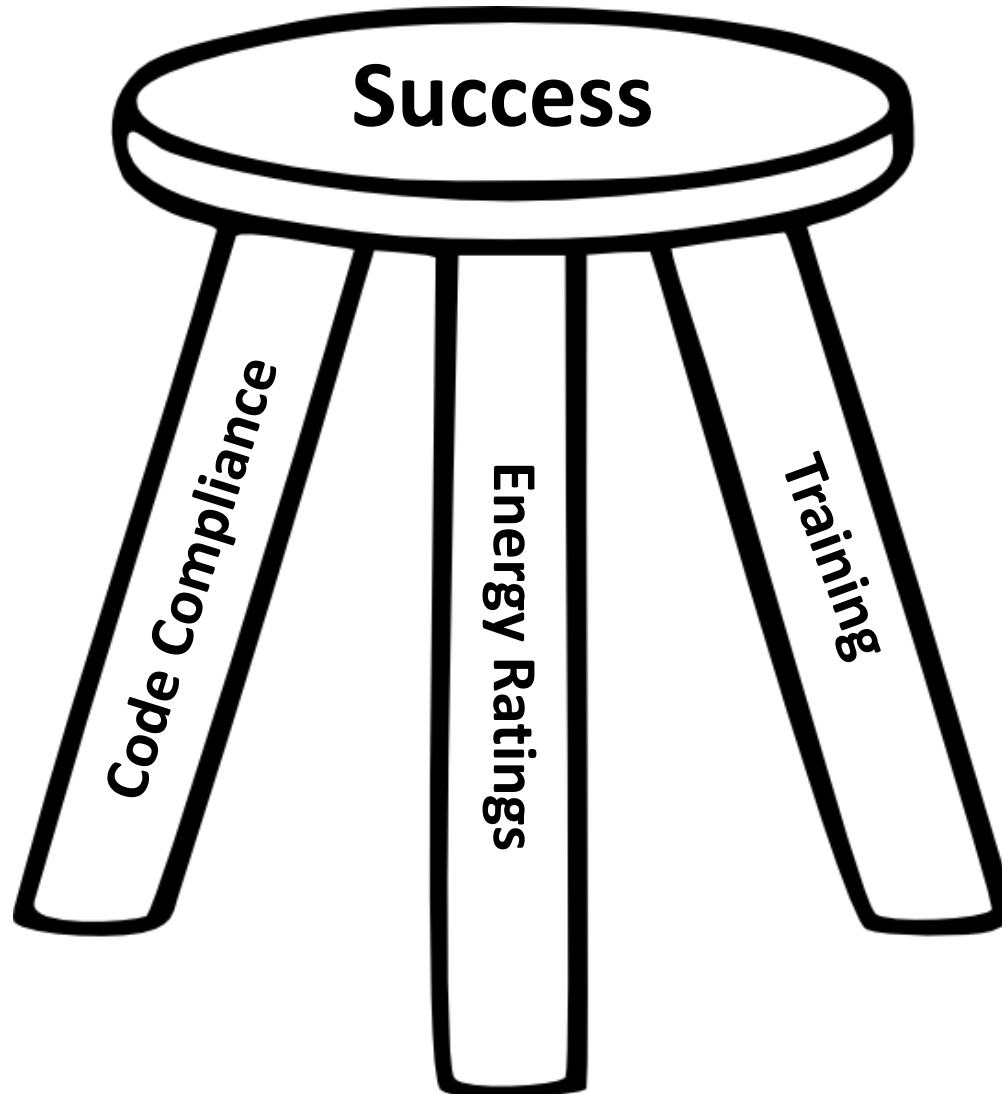


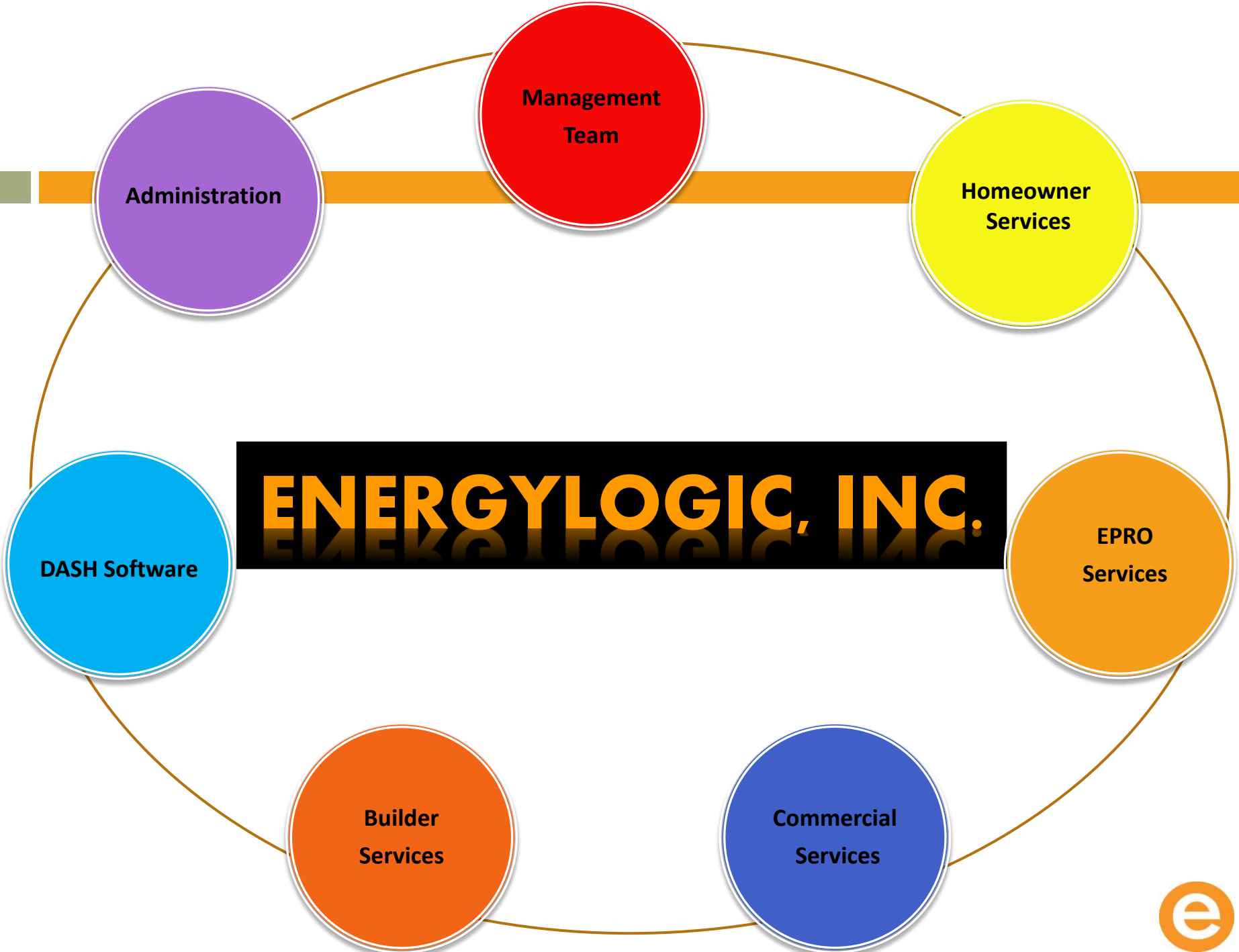


BUSINESS OPPORTUNITIES IN ENERGY CODES AND PERFORMANCE TESTING

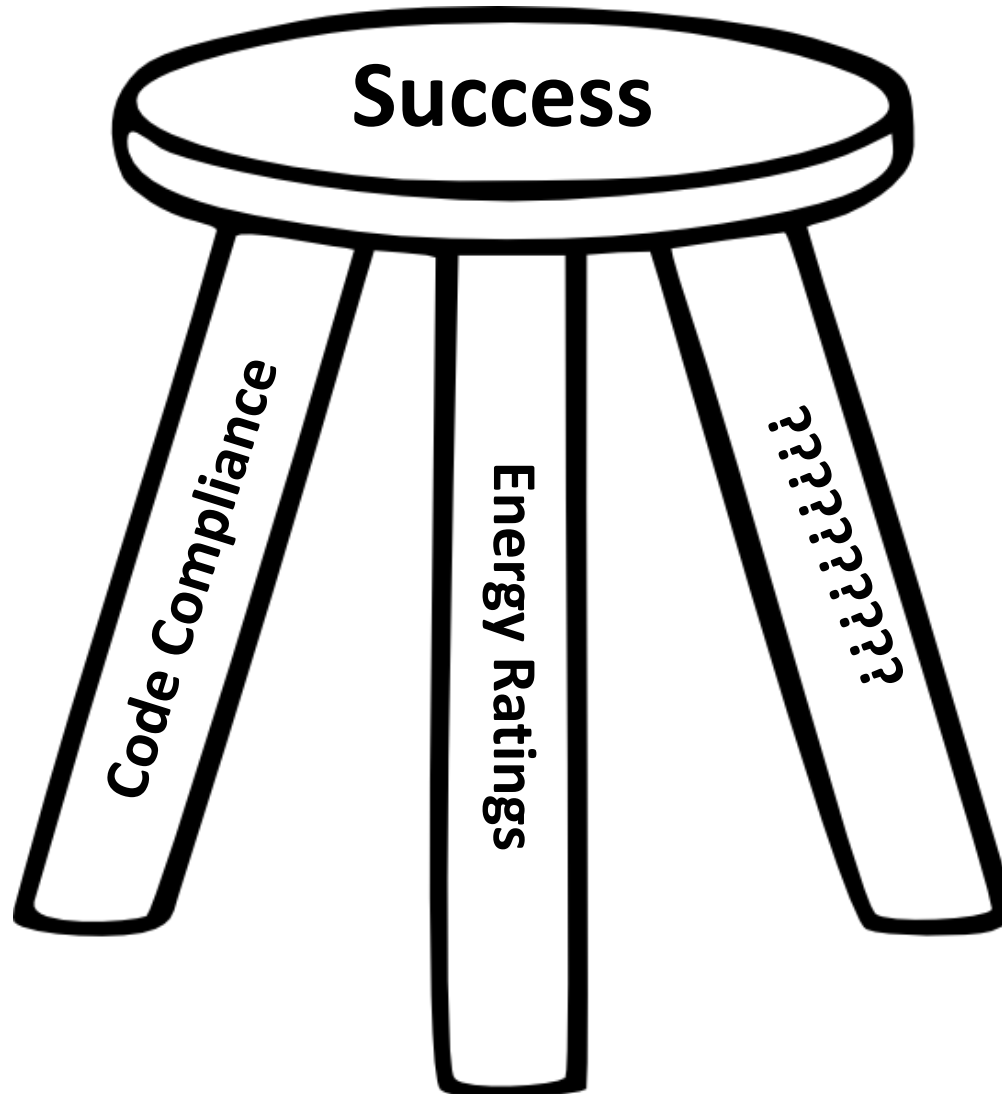
Robby Schwarz February 25th 2014

Sustainable Company

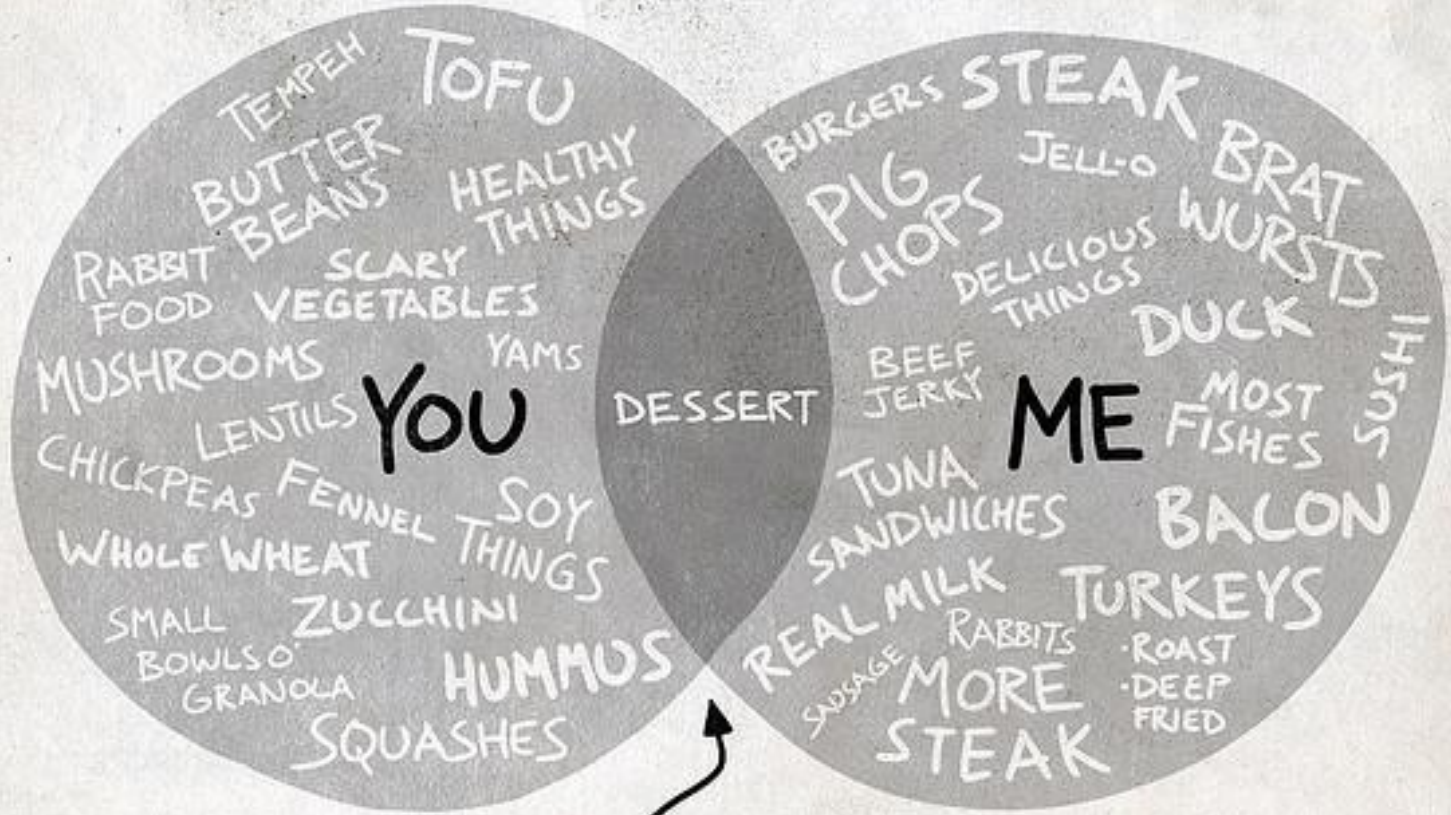




Sustainable Division



COMMONALITIES: FOOD

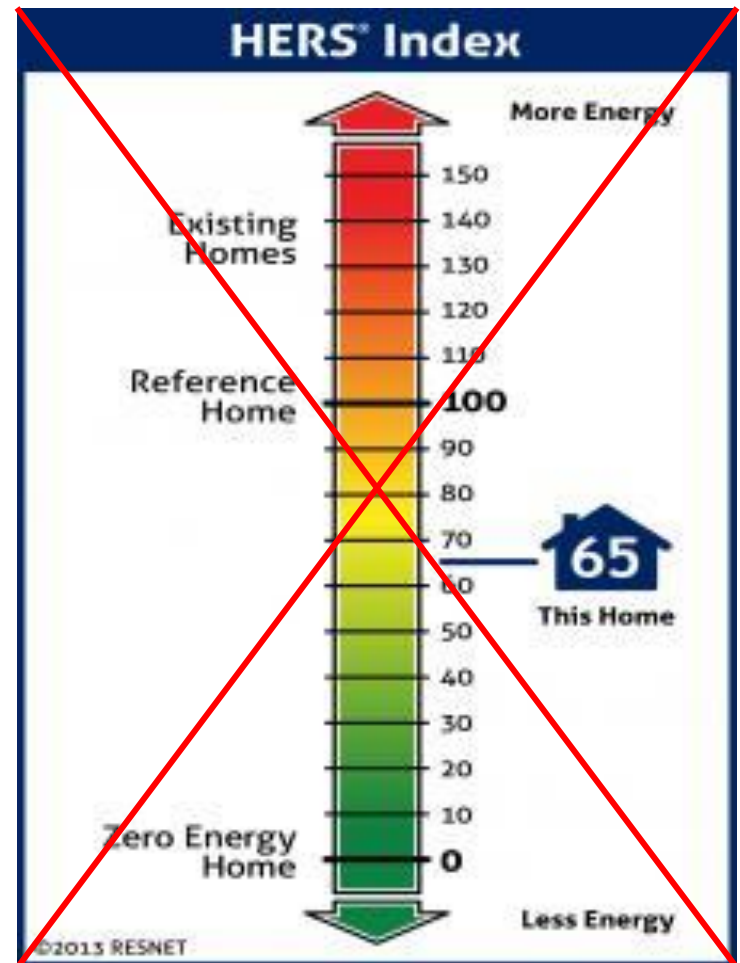


LET'S JUST FOCUS ON THIS, OKAY?



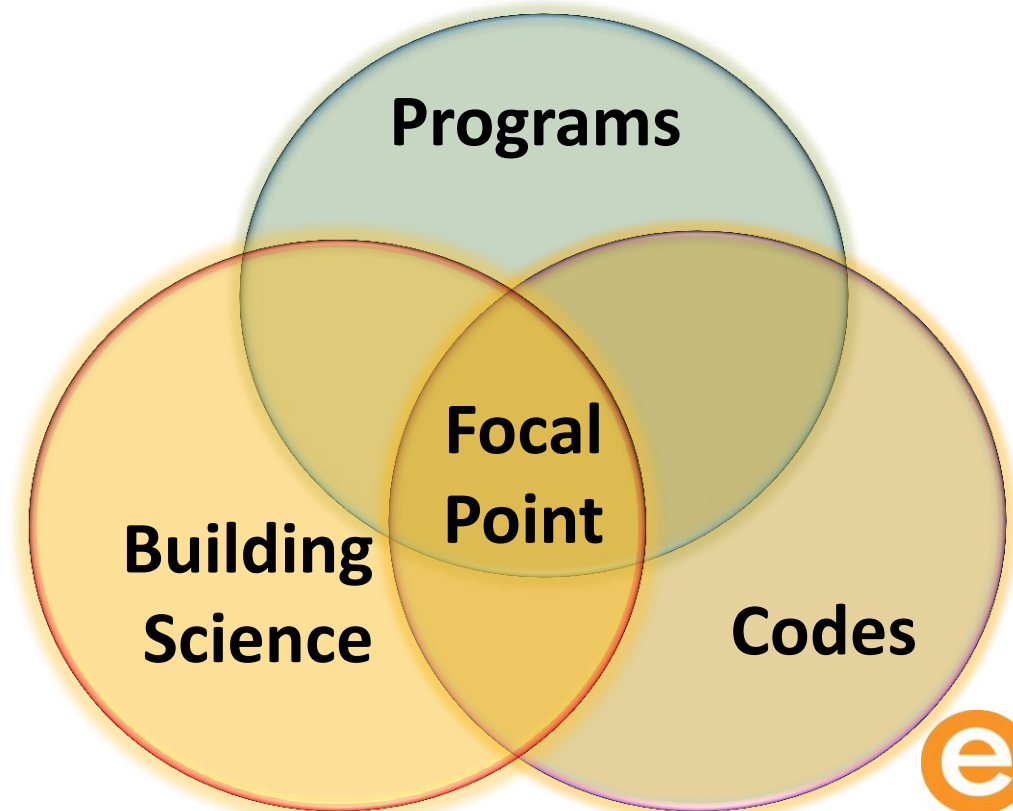
Largest Commonality

- The Simulated Performance Path of Code compliance and the Energy rating **Process**:
 - Plans analysis
 - Worst case
 - Compliance documents for permit
 - Rough inspection
 - One or two visits depending on HVAC testing
 - Final inspection
 - Reporting and making it address and site specific
 - Needed for Certificate of Occupancy



Searching for Commonalities

- 2009 IECC and the ES TBC / 2012 ESv3 TEC
- Duct testing in the 2009, 2012, 2015 and ESv3
- SPP required HH ventilation to get the trade offs
- Insulation installation
- Air barrier details
- Infiltration
- Unifying Building Science
 - Moisture Flow
 - Thermal Flow
 - Air Flow



Structure

Energy Star v3

- Prescriptive Path
- Performance Path
- Mandatory Measures
 - Have to be done regardless of the path

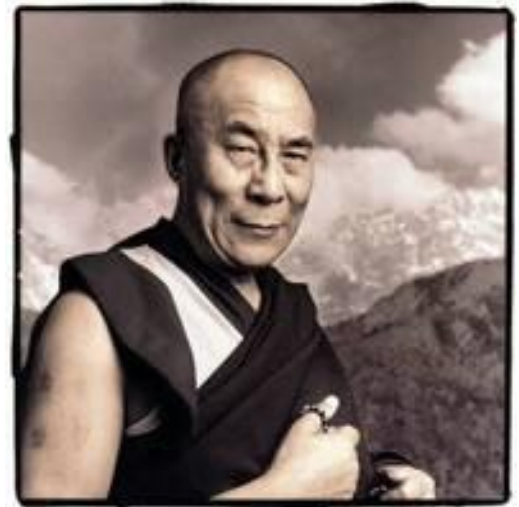
Energy Code

- Prescriptive Path
- Performance Paths
- Mandatory Measures
 - Have to be done regardless of the path



“Learn the rules so you know how to break them properly”

- Author: Dalai Lama
Date: Feb 25, 2008



Top Four Reasons Builders Should Go Performance

Energy Star v3

- Size Adjustment factor
- Holistic Process
- Trade off ability
 - This is where the value of the Rater is demonstrated – Maximize RIO
 - Windows, CFL's, Appliances, Attic insulation, HVAC equipment, exhaust fans
- Added Value

Energy Code

- Trade Offs
- Consistency across jurisdictional boundaries
- Added value



Communication

- Develop the relationships
 - Define the process
 - Make your self indispensable
 - 2009 IECC Example
- Develop and Maintaining your role as the expert
- Educate



Building Relationships

How many ways can you touch one client?

- Energy Code Compliance
- HERS Index
- QA / QC
- Innovation



Thank you!

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