LEED v4
BETTER BUILDINGS ARE OUR LEGACY
Instant recess!

https://youtu.be/mO1GJIOQg6E
LEED v4: TRANSFORMATION ON A LARGER SCALE
COMMERCIAL OFFICE MARKET SHARE

2008
- Total: $28 billion
- $8 Billion
- 30% Non-Green Share
- 70% Green Share

2011
- Total: $17 billion
- $8 Billion
- 47% Non-Green Share
- 53% Green Share

2012
- Total: $16 billion
- $9 Billion
- 54% Non-Green Share
- 46% Green Share

Source: McGraw-Hill Construction’s 2013 Dodge Construction Green Outlook
More than 69,800 total LEED® commercial projects comprising over 13.2 billion square feet of construction space.
MORE THAN

27,400*

COMMERCIAL LEED® CERTIFIED PROJECTS
(CUMULATIVE)

*AS OF APRIL 2015
1.85 MILLION SQUARE FEET CERTIFIES TO LEED® EACH DAY
ONE GLOBAL LEED

150+

TOTAL COUNTRIES AND TERRITORIES WITH LEED® PROJECTS
LEED v4 SYSTEM GOALS

- Reduce contribution to global climate change
- Enhance individual human health
- Protect and restore water resources
- Protect and enhance biodiversity and ecosystem services
- Promote sustainable and regenerative material cycles
- Build a green economy
- Enhance community quality of life
ENERGY CODE PROGRESS

Energy Use Index (1975 Use = 100)

Percent savings shown relative to previous version of Standard 90.1
Embodied Impact
Operational energy impact

10-15%*

Materials Embodied Energy
Operational energy impact

Embodied Impact
Operational Energy impact

Materials Embodied Impact
Operational energy impact

GLOBAL SUPPLY CHAIN. In the second tier, 18% more non-compliant per audit, the third tier, 27% more than tier one, on average.

Source: Sedex Global
HARMONIZATION. With over 84,000 chemicals on the market, how can we switch to safer alternatives?
Building materials will account for ~74% of CO2e associated with buildings over the next 15 years.

The most serious safety issues happen deep in the supply chain.

Green chemical industry to reach $98.5 Billion by 2020.
THEORY OF MARKET TRANSFORMATION

INNOVATION NECESSITATES REPORTING

REPORTING ENABLES EVALUATION

EVALUATION ENABLES PREFERENTIAL SELECTION

PREFERENTIAL SELECTION GUIDES INNOVATION
Life Cycle Thinking

**Building Product Disclosure and Optimization**
- Environmental product declarations

**Construction**
- C&D waste management

**Demolition**
- Whole building life cycle assessment
- Design for flexibility
- Abandoned and blighted building reuse

**Life Cycle Impact Reduction**
- Building & materials reuse

**Responsible sourcing of raw materials**
- Material ingredients

**Building & materials reuse**
- Whole building life cycle assessment
Questions