



**IN THE YEAR 2030...**

One half of new construction in the world will be built in China

Half of the new construction in China would have been completed after the year 2000

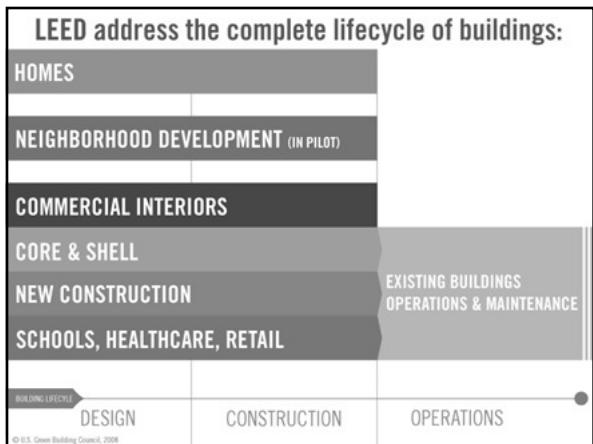
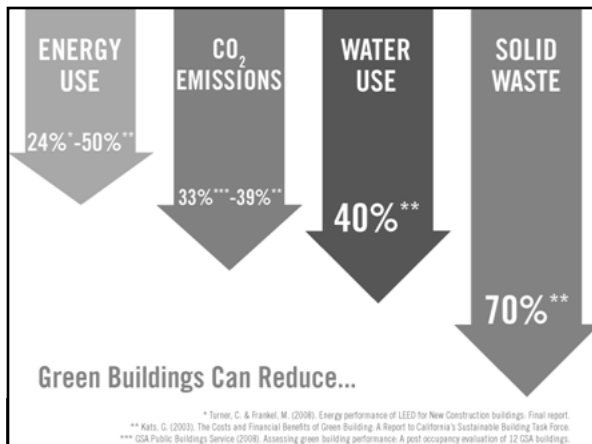
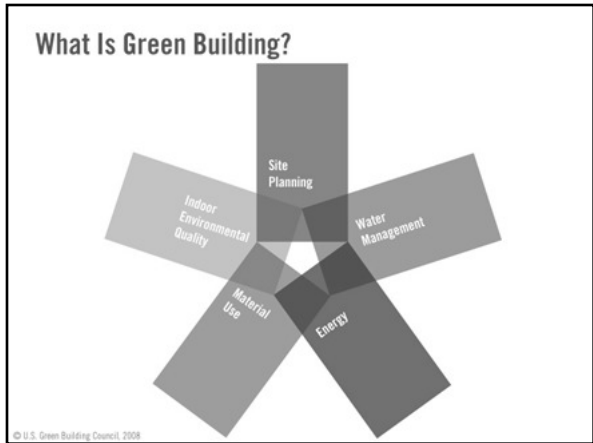
Energy efficient building design has the potential to save 420 billion kwh per year

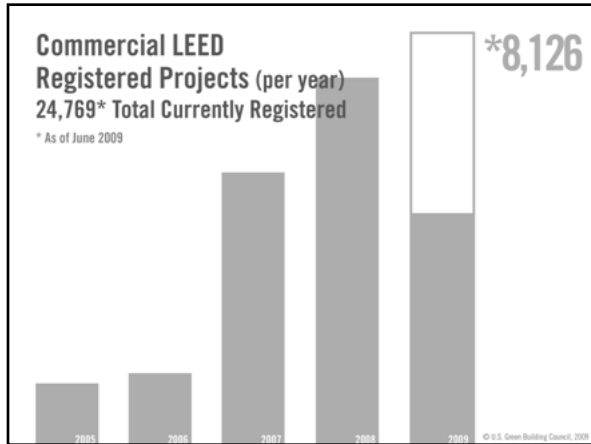
World Bank

**BUILDINGS ACCOUNT FOR...**

- 17% fresh water withdrawals
- 25% wood harvested
- 33% CO<sub>2</sub> emissions
- 40% material and energy use  
45% in China

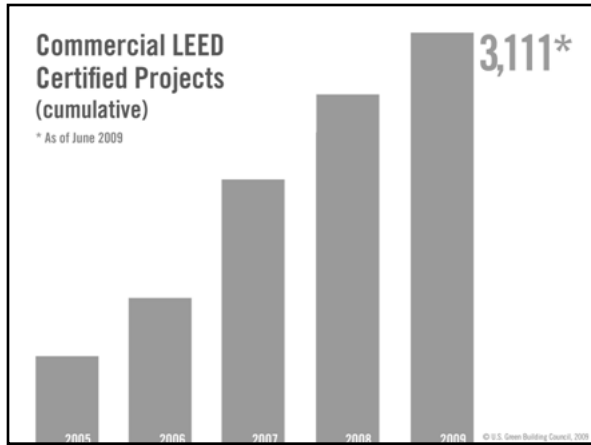
Credit USGBC





### LEED in China

RATING SYSTEM	REGISTERED	CERTIFIED
Commercial Interiors	26	13
Core and Shell	87	4
Existing Building	2	-
New Construction	87	10
Neighborhood Dev.	4	2
<b>TOTAL</b>	<b>206</b>	<b>29</b>



**LEED 2009**  
ADVANCEMENTS TO THE RATING SYSTEM

**LEED ONLINE**  
FASTER, SMARTER & A BETTER USER EXPERIENCE

**+ CERTIFICATION MODEL**  
GBCI & CERTIFICATION BODIES

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**= LEED V3**

### International Rating Systems

BREAM - 1990	LEED - 1998	China - Three Star - 2006
Management		Operations Management
Energy	Energy and Atmosphere	Energy Savings
Land Use	Sustainable Sites	Land Savings
Water	Water Efficiency	Water Savings
Pollution	Indoor Air Quality	Quality of Indoor Environment
Health and Wellbeing		
Materials	Materials and Resources	Material Savings
	Innovation	

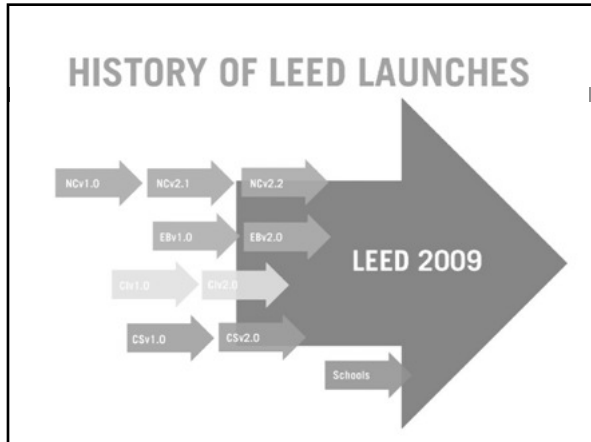
### HOW IT ALL FITS TOGETHER



Rating System Development  
LEED Online  
Support & Education



Building Certification  
Professional Accreditation

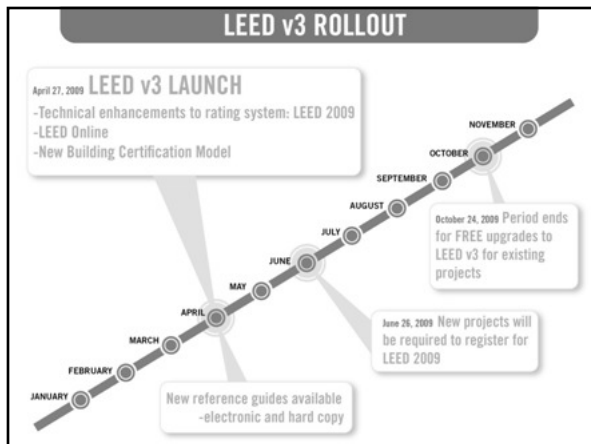


- ### Rating System Improvements
- Predictable 2 year development cycle
  - Bookshelf approach
  - Credit Alignment, Credit Ratings
  - Regional Credits
  - Life Cycle Analysis (anticipated late 2009)
  - Provide On-Going Performance Data

# LEED 2009

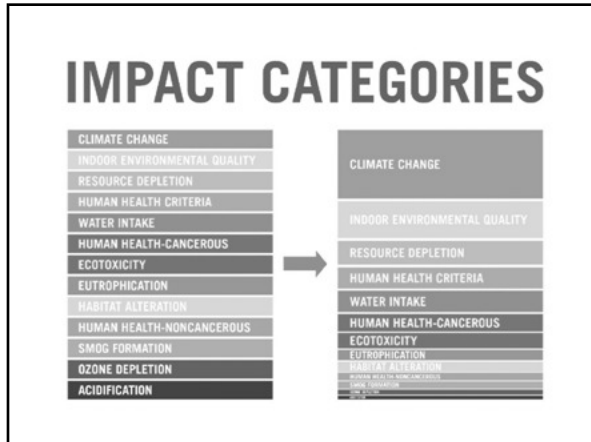
## HARMONIZATION WEIGHTINGS REGIONAL CREDITS

- ### LEED Online v3
- Responds to changes in 2009 rating system
  - Streamlining
    - Autopopulating data
    - Clarifying template requirements
    - Engineer/ Architect sign off for selected credits
  - More efficient reporting between project teams and certification bodies
  - Designed to be scalable



THE POINT VALUE FOR MOST CREDITS HAS CHANGED

# THE CREDITS ARE INTACT



- ### Regional Priority Credits
- 6 Available Credits/ 4 points
  - Environmental zones established for regions
  - For example California Regional Credits:
    - Water
    - Waste
    - Transit
  - International Regional Credits are to be developed

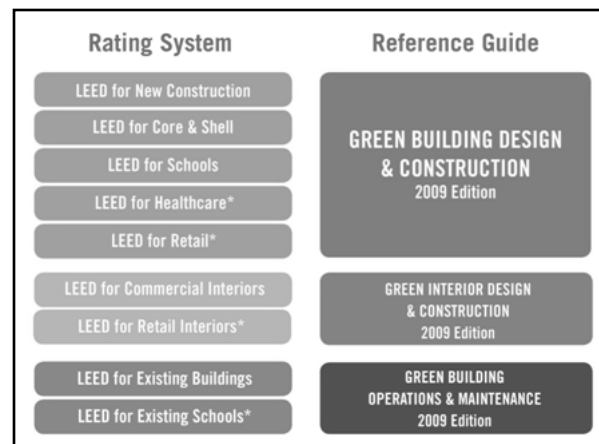
### Credit Weightings

Credit Categories	NCv2.2	2009
Sustainable Sites	14	26
Water Efficiency	5	10
Energy and Atmosphere	17	35
Materials and Resources	13	14
Environmental Quality	15	15
<b>BASE POINTS</b>	<b>64</b>	<b>100</b>
Regional	0	4
Innovation	5	6
<b>TOTAL</b>	<b>69</b>	<b>110</b>

- ### Minimum Program Requirements
- **MUST COMPLY WITH APPLICABLE ENVIRONMENTAL LAWS**
  - **MUST BE A COMPLETE, PERMANENT BUILDING OR SPACE**
  - **MUST USE A REASONABLE SITE BOUNDARY**
  - **MUST COMPLY WITH MINIMUM FLOOR AREA REQUIREMENTS**
    - 1000 sf
  - **MUST COMPLY WITH MINIMUM OCCUPANCY RATES**
  - **MUST COMMIT TO SHARING WHOLE-BUILDING ENERGY AND WATER USAGE DATA**
    - 5 YEAR PERIOD
  - **MUST COMPLY WITH A MINIMUM BUILDING AREA TO SITE AREA RATIO**
    - NO LESS THAN 2% OF GROSS LAND AREA


### Credit Weightings

LEED 2009			Commercial Interiors		
Certified	40	36%	Certified	21	37%
Silver	50	45%	Silver	27	47%
Gold	60	55%	Gold	32	56%
Platinum	80	73%	Platinum	42	74%
New Construction v2.2			Core and Shell		
Certified	26	38%	Certified	23	38%
Silver	33	48%	Silver	28	46%
Gold	39	57%	Gold	34	56%
Platinum	52	75%	Platinum	45	74%

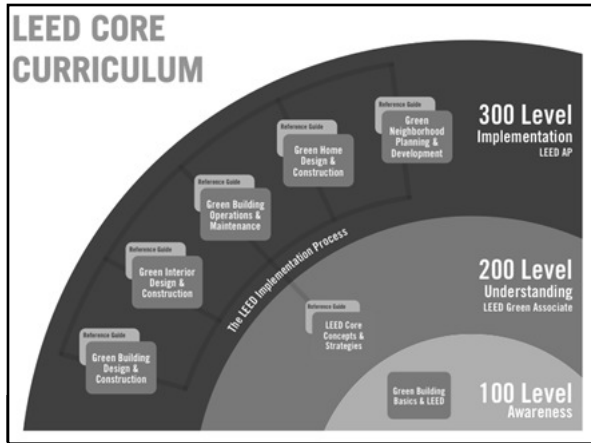


**Getting Started: Tools**

- Rating systems
- Reference guide
- Project checklist
- Credit Interpretation Requests (CIRs)
- LEED Online
- Educational workshops
- Project case studies
- [www.usgbc.org](http://www.usgbc.org)



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**QUESTIONS?**

For more information on Education:  
<http://www.usgbc.org/education>  
[workshops@usgbc.org](mailto:workshops@usgbc.org)

[www.usgbc.org/education](http://www.usgbc.org/education)

For more information on LEED V3, visit  
<http://www.usgbc.org/LEEDV3>

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