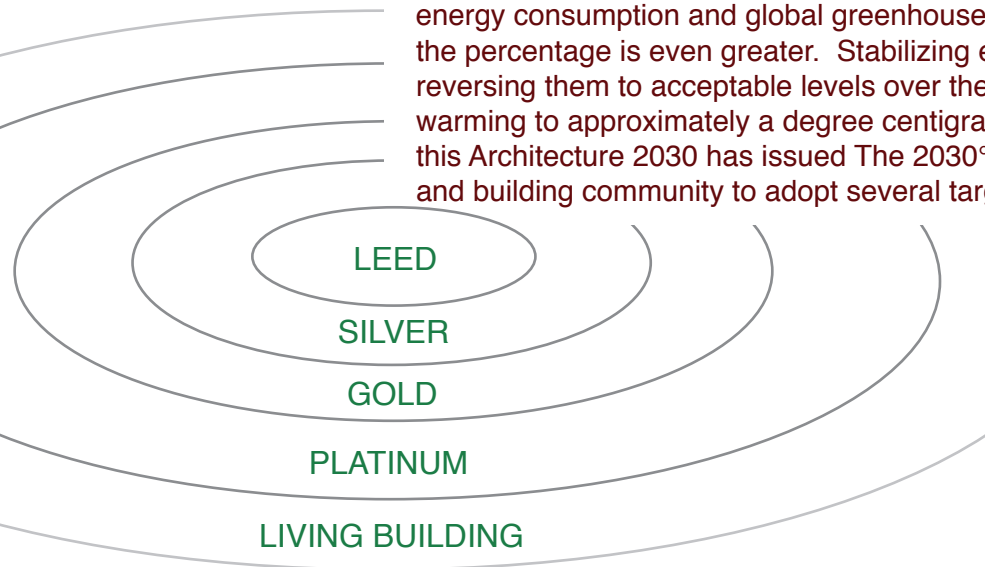


LIVING BUILDINGS AND THE 2030° CHALLENGE

THE LIVING BUILDING CHALLENGE: Supporting the belief that our society needs to move quickly to a state of balance between the natural and built environments, the Cascadia Chapter of the US Green Building Council has issued a challenge to raise the standards of sustainability in the built environment above the current LEED certification system. The challenge involves meeting 16 requirements in 6 categories.

THE AIA 2030° CHALLENGE: Buildings are responsible for almost half (48%) of all energy consumption and global greenhouse gas (GHG) emissions annually; globally the percentage is even greater. Stabilizing emissions in this Building Sector, and then reversing them to acceptable levels over the next ten years, is key to keeping global warming to approximately a degree centigrade (°C) above today's level. To accomplish this Architecture 2030 has issued The 2030° Challenge asking the global architecture and building community to adopt several targets.



AIA 2030° CHALLENGE:

- That all new buildings, developments and major renovations be designed to meet a fossil fuel, greenhouse gas (GHG) emitting, energy consumption performance standard of 50% of the regional (or country) average for that building type.
- That at a minimum, an equal amount of existing building area be renovated annually to meet a fossil-fuel, greenhouse gas (GHG)-emitting, energy-consumption performance standard of 50% of the regional (or country) average for that building type (50% of the regional average through innovative design strategies, the application of renewable technologies and/or the purchase - 20% maximum - of renewable energy).
- That the fossil fuel reduction standard for all new buildings be increased to:
 - 60% in 2010
 - 70% in 2015
 - 80% in 2020
 - 90% in 2025
 - Carbon-neutral by 2030 (using no fossil-fuel GHG-emitting energy to operate)

LIVING BUILDING REQUIREMENTS:

1	Site Design	Responsible Site Selection
2	Site Design	Limits to Growth
3	Site Design	Habitat Exchange
4	Energy	Net Zero Energy
5	Materials	Materials Red List
6	Materials	Carbon Footprint
7	Materials	Responsible Industry
8	Materials	Appropriate Materials Radius
9	Materials	Construction Waste
10	Water	Net Zero Water
11	Water	Sustainable Water Discharge
12	Indoor Environmental Quality	Civilized Work
13	Indoor Environmental Quality	Source Control
14	Indoor Environmental Quality	Ventilation
15	Beauty & Inspiration	Design for Spirit
16	Beauty & Inspiration	Inspiration and Education