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GLOSSARY

Biogenic Carbon – Growing biomass absorbs Co2 from the air. The carbon from the absorbed CO2 is transformed into the plant tissue and is called "biogenic carbon".

Blue Planet LTD – Economically Sustainable Carbon Capture
http://www.blueplanet-ltd.com/

Blue Vinyl – An award winning documentary that talks about the life cycle assessment of material.
https://tubitv.com/movies/312591/blue_vinyl

Carbon Accounting – Carbon accounting is the process by which CO2 emissions from fossil fuel combustion are calculated.

Carbon Leadership Forum (CLF) – Is out of University of Washington and conducting "research, creating resources, and incubating member-led initiatives" around shared goals. It is made up of architects, engineers, contractors, material suppliers, building owners, and policymakers working together to make the largest impact possible.
http://www.carbonleadershipforum.org/

Carbon uptake or sequestration – Carbon being absorbed and incorporated especially into a living organism, tissue, or cell. "Carbon dioxide is the most commonly produced greenhouse gas. Carbon sequestration is the process of capturing and storing atmospheric carbon dioxide. It is one method of reducing the amount of carbon dioxide in the atmosphere with the goal of reducing global climate change. The USGS is conducting assessments on two major types of carbon sequestration: geologic and biologic."
https://www.usgs.gov/faqs/what-carbon-sequestration?qt-news_science_products=0#qt-news_science_products

The Carbon Neutral Cities Alliance (CNCA) – A collaboration of leading global cities working to cut greenhouse gas emissions by 80-100% by 2050 or sooner-the most aggressive GHG reduction targets undertaken anywhere by any city. https://carbonneutralcities.org/

CarbonCure Technologies Inc – "Enabling the concrete industry to improve operations while reducing its carbon footprint" https://www.carboncure.com/

Davies Office – Sustainable solution to office furniture https://www.daviesoffice.com/

Declaration of Climate Emergency- "is a piece of legislation passed by a governing body such as a city council, a county board of supervisors, a state legislature, or even a national government. It puts the government on record in support of taking emergency action to reverse global warming." Retrieved from
https://www.theclimatemobilization.org/climate-emergency-resolution

Design – "The Hannover Principles aim to provide a platform upon which designers can consider how to adapt their work toward sustainable ends. Designers include all those who change the environment with the inspiration of human creativity. In this sense, design is the first signal of human intention. Physical design implies both the conception and realization of human needs and desires." (P.4, McDonough, *The Hanover Principles*)

Design for Sustainability – "Designing for sustainability requires awareness of the full short- and long-term consequences of any transformation of the environment. Sustainable design is the conception and realization of ecologically, economically and ethically responsible expression as a part of the evolving matrix of nature." (P.5, McDonough, *The Hanover Principles*)

Embodied Carbon Network – A group of likeminded people figuring out ways to design without embodied and operational carbon in our buildings.
http://www.carbonleadershipforum.org/embodied-carbon-network/

Embodied Energy – comes from the materials manufacturing and construction phases of the building project.

Functional Unit – "The functional unit can be defined as the unit of comparison that assures that the products being compared provide an equivalent level of function or service." http://amanac.eu/wiki/lca-terminology/

GCI Construction Company, Madrone Program – GCI has come up with a program for diverting waste that is from demolition. http://madronecr.com/

The Hannover Principles – "Should be seen as a living document committed to the transformation and growth in the understanding of our interdependence with nature, so that they may adapt as our knowledge of the world evolves."
https://www.readingdesign.org/hannover-principles

Life cycle analysis – Sourcing and obtaining raw materials requires different inputs, outputs and processes that impact the environment and need life cycle analysis. This is taken through a process from "birth, including design, raw material extraction, material production, part production, and assembly, through its use, and final disposal".
https://enviroliteracy.org/environment-society/life-cycle-analysis/

One Click LCA: Is software to calculate your material use in construction impact on the Environment.
https://www.oneclicklca.com/

Operational Carbon – is the emissions of carbon dioxide during the use of a building.

Operation Energy – projected energy use within a building as it operates over a typical meteorological year.

Natural Gas – naturally happens when gas mix, mainly methane, but also including fluctuating amounts of other high alkanes, and occasionally a tiny percentage of carbon dioxide, nitrogen, hydrogen sulfide, or helium.
https://www.eia.gov/energyexplained/natural-gas/

Sustainability – "The concept of sustainability has been introduced to combine concern for the well-being of the planet with continued growth and human development. Though there is much debate as to what the word actually suggests, we can put forth the definition offered by the World Commission on Environment and Development: "Meeting the needs of the present without compromising the ability of future generations to meet their own needs." But it must also expand to embrace the prospects of restorative acts, the hope for an abundant future based on new systems and definitions of design and productivity. In its original context, this definition was stated solely from the human point of view. In order to embrace the idea of a global ecology with intrinsic value, the meaning must be expanded to allow all parts of nature to meet their own needs now and in the future." (P.4, McDonough, *The Hanover Principles*)

System Boundary – "System boundary is defined as an interface between a product system and the environment or other product systems. It defines the activities and processes that will be included in each life-cycle stage for the LCA analysis and those that will be excluded."
http://amanac.eu/wiki/lca-terminology/

Teknion's ANEW program – ANEW is a program started by Teknion to avoid discarding furniture, fixtures and equipment and repurposing it by giving it a new home at organizations in need.
https://www.teknion.com/ca/tools/inspiration/sustainability/anew

Teknion's EXTEND program – EXTEND is a furniture management program started by Teknion to extend the life of the furniture and give back to the community.
https://www.teknion.com/ca/tools/inspiration/sustainability/a-fresh-look-at-managing-resources

TRACI 2.1 – "Tool for the reduction and Assessment of Chemical and other Environmental Impacts"
https://www.pre-sustainability.com/download/TRACI_2_1_User_Manual.pdf