ADDITIONAL RESOURCES TO SUPPORT YOUR EFFORTS

June 2023

High-Performance Building Procurement Toolkit

INCENTIVES FOR HIGH-PERFORMANCE DESIGN ──────

Mass Save® offers valuable incentives for design and construction:

- https://www.masssave.com/en/saving/business-rebates/new-buildings-and-major-renovations

- https://www.masssave.com/en/saving/residential-rebates/passive-house-incentives

- If the detailed URLs below no longer work, try www.masssave.com

CARBON LEADERSHIP FORUM'S EMBODIED CARBON POLICY TOOLKITS ──────

For Policy Makers:
- https://carbonleadershipforum.org/clf-policy-toolkit/

For Owners:
- https://carbonleadershipforum.org/clf-owner-toolkit/

For Architects:
- https://carbonleadershipforum.org/clf-architect-toolkit/

Case studies:
(Including tenant improvement renovation)
- https://carbonleadershipforum.org/case-studies/

COST STUDY AND LCC GUIDANCE ──────

Built Environment Plus Cost of Net Zero in MA Report:
- https://builtenvironmentplus.org/zero-energy-buildings/

Life Cycle Cost analysis:
- https://www.wbdg.org/resources/life-cycle-cost-analysis-lcca

SUMMARY OF QUALIFICATIONS ──────

AIA 2030 Commitment program:
- https://www.aia.org/pages/6464938-the-aia-2030-commitment

SMARTsustainability Firm Certification:
- https://sustainable-performance.org/for-practitioners/certification/

BENCHMARKING AND PRECEDENTS OF HIGH-PERFORMANCE PROJECTS ⎯⎯

CBECS Database of building performance:
This is the traditional reference for project performance but has not been updated to include best-in-class and is weighted more towards code-compliant and less efficient buildings.

- https://www.eia.gov/consumption/commercial/

AIA 2030 Commitment DDx:
This contains many net zero and high performing projects.

- https://2030ddx.aia.org/account/login

New Buildings Institute Database of projects:

- https://newbuildings.org/resource/getting-to-zero-database/

OVERALL GENERAL RESOURCES ON ALL ASPECTS OF HIGH-PERFORMANCE PROJECTS

Rocky Mountain Institute resources for net zero projects:

- https://rmi.org/research?fwp_categories=net-zero-energy&fwp_type=report

New Buildings Institute general resources:
Their website contains many net zero and high performing projects.

- https://newbuildings.org/hubs/zero-energy/#tools-guides

FRAMEWORKS FOR HIGH PERFORMANCE DESIGN THAT IS RATING SYSTEM AGNOSTIC

AIA Framework for Design Excellence:
This is a clearly mapped out set of criteria defining sustainability in building by the AIA's Committee on the Environment, and has been renamed "Design Excellence" because of AIA's stance that sustainability should not be considered separate, but just a part of best practices.

- https://www.aia.org/resources/6077668-framework-for-design-excellence

The Natural Step:
Natural step has a 4 part framework that is great to use at the very beginning of a project instead of LEED or other rating systems to begin to think about sustainability priorities. This also describes the backcasting process, which is a methodology for goal setting.

- https://naturalstep.ca/backcasting

PROJECT DELIVERY METHODOLOGY: REDESIGNING FOR NET ZERO

These workshop instructions are for any organization, owner, developer or design/construction firm, to adjust their existing project delivery process and align it to achieve net zero buildings.

- https://sustainable-performance.org/wp-content/uploads/ProcessMappingExercise2.pdf

MATERIALS AND STRATEGIES FOR DECARBONIZATION – EMBODIED CARBON

Carbon Leadership Forum Toolkit:

- https://carbonleadershipforum.org/clf-owner-toolkit/

Architecture 2030 Materials Palette:
This helps designers make fast, easy choices to choose better, lower carbon products.

- https://materialspalette.org/

Guidance for conducting LCAs from CLF:
Life cycle assessment is analysis for lower carbon, whereas life cycle costing is just cost analysis.

- https://carbonleadershipforum.org/wp-content/uploads/2019/05/CLF-LCA-Practice-Guide_2019-05-23.pdf

RATING AND CERTIFICATION SYSTEMS

Passive House Massachusetts:

- https://phmass.org/

Passive House Cost Information:

- https://www.phius.org/resources/policy-work/cost-data

Living Building Challenge Standard:

- www.ilfi.org

Envision rating system:

- https://sustainable-infrastructure-tools.org/tools/envision-rating-system/

WELL standard:

- https://www.wellcertified.com/

LEED:

- https://www.usgbc.org/leed

CHPS:

- https://chps.net/

BREEAM:

- https://bregroup.com/products/breeam/breeam-usa/

Ecodistricts: • https://ecodistricts.org/

Architecture 2030, 2030 Districts: • https://www.2030districts.org/

GREEN LEASE INFORMATION FOR LANDLORDS AND TENANTS

Green Leases: • www.imt.org