

LIVING BUILDING CHALLENGE 3.0

WHAT'S NEW IN 3.0

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- NEW TITLE
- SOME CONTENT AND/OR REQUIREMENTS CHANGED
- NEW OR SUBSTANTIALLY ALTERED IMPERATIVE

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Quick Reference Guide

The following list is an overview of notable changes to the Living Building Challenge requirements with the release of version 3.0. It is not a comprehensive list of every new facet of the program. Project team members may refer to the 3.0 Standard and the available Petal Handbooks for a more complete understanding of the program.

GENERAL

TYOLOGIES

The Neighborhood Typology has been moved from the Living Building Challenge and incorporated into the Living Community Challenge Standard.

PLACE PETAL

I01 LIMITS TO GROWTH

Some new content

- Petrochemical fertilizers and pesticides have been added to the landscape requirement, instead of being part of the Red List.

I02 URBAN AGRICULTURE

Some new content

- Projects with a FAR of 3.0 or greater must allocate 1% of their Project Area for food production
- Single-family homes must demonstrate the capacity to store at least a two-week supply of food.

I03 HABITAT EXCHANGE

No significant changes to requirements

- Project teams have the option to use the Living Future Habitat Exchange.

I04 HUMAN-POWERED LIVING

Substantially altered

- Project teams must develop a mobility plan.
- Specific occupancy type maximums and catchment area analysis have been eliminated due to the removal of the Neighborhood Typology.

WATER PETAL

I05 NET POSITIVE WATER

Two v2.1 Imperatives combined into one

- I05 Net Zero Water and I06 Ecological Water Flow have been combined into one re-titled Imperative.

ENERGY PETAL

I06 NET POSITIVE ENERGY

Some new content

- Projects must produce 105% instead of 100% of project energy
- Projects must provide energy storage (at least 10% of lighting load and refrigeration for up to one week) for resiliency.

HEALTH + HAPPINESS PETAL

I07 CIVILIZED ENVIRONMENT

No significant changes

I08 HEALTHY INTERIOR ENVIRONMENT

Some new content

- All interior building products with the potential to emit VOCs must comply with CDPH Standard Method v1.1-2010 or international equivalent;
- All cleaning products used must comply with the EPA's Design for the Environment (DfE) label requirements or international equivalent.

I09 BIOPHILIC ENVIRONMENT

Some new content

- Project teams must participate in at least one all-day exploration of the project's biophilic design potential.
- Project teams must develop a biophilic framework and plan.
- Teams are no longer required to incorporate each biophilic design element into every 2,000 m2 of the project, but rather must address the project's biophilic potential through a variety of elements.

MATERIALS PETAL

I10 RED LIST

Some new content

- The Red List has been expanded to include:
 - Alkylphenols
 - Bisphenol-A (BPA)
 - Chlorobenzenes
 - Chromium VI
 - Perfluorinated compounds (PFCs)
 - Polychlorinated biphenyls (PCBs)
 - Polyvinylidene chloride (PVDC)
 - Short chain chlorinated paraffins
 - VOCs in wet-applied products

- The Red List now applies to systems furniture.
- A number of Exceptions have been eliminated or modified. For example:
 - Mercury is no longer allowed in fluorescent lamps
 - HFRs in foam insulation is no longer allowed in cavity-fill applications
- The restriction on petrochemical fertilizers and pesticides is now addressed under the requirements of Imperative I01 Limits to Growth.

I11 EMBODIED CARBON FOOTPRINT

No significant changes to requirements

- A revised list of approved calculators provides more tools to reduce embodied carbon.
- Project teams have the option to use the Living Future Carbon Exchange.

I12 RESPONSIBLE INDUSTRY

Some new content

- Projects must include one Declare product per 500 m2 of gross building area.
- Project teams must send Declare program information to ten manufacturers.

I13 LIVING ECONOMY SOURCING

Substantially altered

- Materials tracking is based on economic impact rather than product density or CSI division.
- Up to 25% of the project's materials construction budget does not need to be tracked for manufacturer location.
- Source location is no longer tracked, unless raw products go to the project site.

I14 NET POSITIVE WASTE

Some new content

- Diversion rates have been increased.
- Projects must include one salvaged material per 500 m2 of gross building area.

EQUITY PETAL

I15 HUMAN SCALE AND HUMANE PLACES

Some new content

- Projects must provide at least one place for people to gather and connect internally and/or with the neighborhood.
- Projects must provide at least one element along the project edge which supports the human scale of the larger neighborhood, such as seat walls, art, displays, or pocket parks (sg. family residences excluded).

I16 UNIVERSAL ACCESS TO NATURE AND PLACE

Two v2.1 Imperatives combined into one

- I17 Democracy and Social Justice and I18 Rights to Nature were combined into one re-titled Imperative

I17 EQUITABLE INVESTMENT

New Imperative

- For every dollar of total project cost, the project team must set aside and donate half a cent or more to a charity of its choosing.
- Project teams have the option to contribute to the Living Future Equity Exchange.

I18 JUST ORGANIZATION

New Imperative

- At least one major project team organization (from list in 3.0 Standard) must have a JUST label.
- Project teams must send JUST program information to at least ten project consultants, sub-consultants or product suppliers as part of ongoing advocacy.

BEAUTY PETAL

I19 BEAUTY + SPIRIT

No significant changes

I20 INSPIRATION + EDUCATION

No significant changes