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## Connecting to Our Biosphere

We envision a place where our lives and livelihoods can thrive together with healthy and productive ecosystems. We understand the urgency to exercise leadership in creating the built environment. We are altering current practices, to not only reduce the depletion of natural resources, non-renewable energy sources, and waste, but to regenerate natural resources and healthy environments.

We invite you to join us.

# Opsis Sustainability Action Plan

The Opsis Sustainability Action Plan is a collaborative effort with the AIA 2030 Commitment. It reflects Opsis' commitment to create sustaining and inspirational architecture that nurtures the qualities of place and supports a future of prosperity and health for nature and human life on the planet.

What proceeds is the framework of our plan for action to inform our clients and guide project teams as they consider the broad range of issues impacting sustainability.

## energy sustains life

**01 | The 2030 Challenge** Exceed targets of the *2030 Challenge*. Reduce the amount of fossil-fuel based energy:

- > 2015 : 70% reduction
- > 2020 : 80% reduction
- > 2025 : 90% reduction
- > 2030 : carbon neutral

**02 | Net-Positive Energy** Assess every project for the possibility of meeting the *Living Building Challenge* criteria for net-positive energy

**03 | Performance Modeling** Perform energy modeling on:

- > 2015 : 75% of all projects
- > 2020 : 100% of all projects

## precious water

**01 | Net-Positive Water** Assess the potential of every project for achieving net-positive water according to the *Living Building Challenge* criteria for quantifying water input and output from the building and site

**02 | Liquid Conservation** Establish a water use reduction target for every project. At minimum each project should achieve *LEEDv4* Water Efficiency prerequisites

**03 | Applied Strategies** Reduce the amount of potable water used in all projects through a combination of strategies

- > on-site sourcing : graywater, rainwater, & condensate
- > independently certified, low-flow fixtures
- > reduction of water usage for irrigation

## healthy buildings

**01 | Transparent Ingredient Reporting** Utilize *Health Product Declarations* (HPDs), *Declare Labels*, and *Environmental Product Declarations* (EPDs) to inform material and product selection

**02 | Material Selection** Phase out products with chemicals of concern from in-house materials library

**03 | Red List** Utilize the *International Living Future Institute's* Red List to remove listed materials from all projects by 2020

**04 | Life Cycle Analysis** Perform whole-building life cycle analysis (LCA) based on the *LEEDv4* credit requirements

## enhancing habitat

**01 | Biophilia** Allow the *Biophilic Design* seven attributes of nature to guide and inspire design

- > resilience
- > motion
- > serendipity
- > variations
- > sensory
- > refuge/prospect

**02 | Bird-Friendly Design** Utilize the *Portland Resource Guide for Bird-Friendly Building Design* to incorporate strategies that reduce bird collisions

**03 | Site Assessment** Perform a preliminary site analysis for water quality and opportunities for beneficial water and nutrient exchange and reduced impervious cover

**04 | Sustainable Sites Initiative** Use the *Sustainable Sites Initiative* as a framework for guiding site design

## resiliency

**01 | Resilient Design Institute** Allow the *Resilient Design Principles* to guide and inspire every project

- > resilience transcends scale
- > provide for basic human needs
- > diverse & redundant systems
- > simple, passive & flexible
- > locally, renewable & reclaimed resources
- > anticipate interruptions & a dynamic future
- > find & promote resilience in nature
- > social equity

**02 | LEED Pilot Credits** Utilize the suite of *LEEDv4* pilot credits on resilience design for:

- > Assessment and Planning for Resilience
- > Design for Enhanced Resilience
- > Design for Passive Survivability