



Maryland Green Registry MEMBER

The Maryland Green Registry promotes and recognizes sustainable practices at organizations of all types and sizes. Members agree to share at least five environmental practices and one measurable result while striving to continually improve their environmental performance.

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Progressive Architecture Studio | Sustainable Developer

Member since November 2013

Management and Leadership



Environmentally Preferable Products and Services

Edifice Architectural is a sustainable design and development studio. Rather than clear cutting forests and building on virgin land, we either replace or renovate existing buildings or build on already cleared land, then perform a complete habitat restoration. As part of our Habitat Restorations Program, we build vertically rather than horizontally to minimize our footprint on the land. We also employ green roofs wherever possible and install rain gardens instead of dry-wells for purposes of storm water management.



Environmentally Preferable Purchasing

Edifice Architectural, wherever possible, refrains from the use of plastics and synthetic materials and uses natural, recycled, or durable and easily recyclable materials. For example, we use certified cedar siding and corrugated steel roofing as opposed to vinyl siding and asphalt shingle.



Environmental Restoration or Community Environmental Projects

Edifice Architectural has enlisted the aid of a local Conservation Biologist with the Maryland Native Plant Society and the Sierra Club Maryland Chapter's Habitat and Biodiversity Stewardship Committee to help in the restoration of all lands developed. Rather than clear cutting forests and building on virgin land, we either replace or renovate existing buildings or build on already cleared land, then perform a complete habitat restoration with that portion of the land that is otherwise underutilized. We prefer forests and shrub habitats to lawns, which are

demanding in their maintenance and do not offer the environmental value of natural habitat. We also perform a weekly cleanup of trash from the Potomac River.

Waste

Recycling

We recycle all of our solid waste. If we can't use reuse materials in our building projects, we sort and recycle them. We also scrap our metals and sort through our demolition projects for potentially reusable materials.

This year alone Edifice Architectural, LLC recycled 6 cubic yards of glass bottles, half of which were dredged from the Potomac river as part of our weekly cleanup efforts where we gather at least one 40-gallon container of trash each week. These bottles were used as sealed glass insulation in our showcase architectural application called Crosswake House.

Energy

Energy Efficiency

In our showcase sustainable residence, Crosswake House on the Potomac river in Charles County, we have installed energy efficient systems, such as geothermal, photovoltaic panels, thermostatically controlled hydronic radiant floor heat, but we use those in synthetic conjunction with "passive" systems such as proper insulation and proportioning and orientation of the structural volume with respect to the building's climatic region. We use a combination solarium or sun rooms and communicable, thermally neutral subterranean space to provide an alternate heat source to offset the full load required of the mechanical system. All mechanical systems are electric, the most efficient household system of energy transfer with infinite potential of renewal. No gas propane, kerosene, or any fossil fuels used are used on site. We install and purposefully install electrical outlets in garages and carports in anticipation of the widespread use of the electric automobiles and for clean, renewable sources to power them.

Transportation

Employee Commute

Edifice Architectural is a firm believer in telecommuting. Not only does this allow us to draw upon the expertise and the diversity of prospective of professionals from across the nation and worldwide, but it has reduced

automobile traffic and fuel consumption to supplies acquisition and transportation and occasional client meeting.

Water

Stormwater Management and Site Design

Edifice Architectural endeavors to reduce the footprint of the buildings it designs by building vertically apposed structures, employing green roofs to the greatest extent possible and restoring native plant and wildlife habitat that increases the potential for storm water dissipation. We do not pave solid hardscapes. We strictly utilize previous paving units wherever paving is applicable. We believe that by building our gardens vertically and bringing the symbiotic relationship of animal and vegetable with us to each new floor level that we build, that we can actually increase the measurable area of natural habitat from that of its virgin state.



Help build a greener, more sustainable Maryland through voluntary practices that reduce environmental impacts and save money.

Learn more at www.green.maryland.gov/registry

