

Oldcastle Precast's StormCapture system can contribute to a project's certification under the U.S. Green Building Council's LEED certification program. Potential areas of impact include Sustainable Sites, Water Efficiency, Materials and Resources, and Innovation and Design Process.



Sustainable Sites

Credit 6.1 Stormwater Design, Quantity Control

- StormCapture is designed to control stormwater runoff volume to prevent stream erosion, allow onsite treatment, and/or infiltration, and/or reuse.

Credit 6.2 Stormwater Design, Quality Control

- StormCapture can be combined with a menu of treatment options to reduce stormwater pollution.

Credit 7.1 Heat Island Effect, Non-roof

- StormCapture has a design option that includes the use of permeable pavers from Oldcastle Architectural Products Group. Permeable pavers can gain LEED credit for reduced heat island effects.

Water Efficiency

Credit 1.1 Water Efficient Landscaping, Reduce by 50%

Credit 1.2 Water Efficient Landscaping, No Potable Use or No Irrigation

- StormCapture Reuse System provides stormwater and/or greywater recycling for beneficial uses like irrigation, cooling towers, and toilet flushing.

Credit 2.0 Innovative Wastewater Technologies

- StormCapture Reuse System provides stormwater and/or greywater recycling to reduce potable water usage for toilet flushing. StormCapture, when used with infiltration options can increase groundwater recharge.

Credit 3.1 Water Use Reduction, 20% Reduction

Credit 3.2 Water Use Reduction, 30% Reduction

- StormCapture Reuse System provides stormwater and/or greywater recycling to reduce potable water usage for cooling towers, toilet flushing, fire protection, and irrigation.

Materials and Resources

Credit 4.1 Recycled Content, 10% (post-consumer plus ½ pre-consumer)

Credit 4.2 Recycled Content, 20% (post-consumer plus ½ pre-consumer)

StormCapture includes recycled materials such as:

- Fly Ash – the byproduct of coal burning power plants that adds beneficial characteristics to concrete like long-term durability.
- Rebar – reinforcing steel cast in our concrete is 100% recycled materials.

Credit 5.1 Regional Materials, 10%

Credit 5.2 Regional Materials, 20%

- Oldcastle has approximately 70 manufacturing facilities around the country so products are manufactured locally and in many cases, with local materials.

Innovation and Design Process

Credits for Innovation and Design Process are possible for exceptional performance above and beyond the standards required by other categories, as well as for innovative ideas not addressed in other categories.