



WTG LEED Green Building Rating System Credits

WTG Can Help Achieve LEED® Building Credits for New Construction and Major Renovations. The following is an overview of the LEED categories in which WTG can help achieve these LEED credits.

Energy and Atmosphere:

EA-C 1 1-19 Credits + 1 E.P. “Optimize Energy Performance”

Skylight and curtain wall performance can be enhanced through the right combination of glass insulation, tints and coatings. Sunshades can further reduce heat and glare. The WTG curtain wall system is a superior water and air barrier system and ASHRAE 90.1-10 requires such an air barrier system to reduce heat loss. WTG can help meet energy efficiency requirements in addition to aesthetic goals.

EA-C2 1-7 Credits + 1 E.P. “On-site Renewable Energy”

WTG can help modify passive sunshade systems to include photovoltaic panels.

Materials and Resources

MR-C4 1-2 Credits + 1 E.P. “Recycled Content”

Aluminum: WTG aluminum manufacturer has a 50+% recycle program.

Glass: WTG glass manufacturer has a cradle to cradle certification.

Manufacturing: WTG contributes further by reclaiming 100% of the aluminum waste (including shavings) generated in WTG manufacturing process. WTG is located on a brown field area which has been renovated by WTG.

Indoor Environmental Quality

EQ-C4. 1 1 Credit “Low Emitting Materials – Adhesives & Sealants”

The adhesives and sealants used in glass structures are critical to structural and environmental performance. WTG uses products that are significantly below the V.O.C. requirements outlined in LEED requirements.

WTG preglazed systems apply internal sealants at WTG shop, not the jobsite. WTG aluminum and sealant suppliers have superior controls over VOC emissions into the atmosphere.

Innovation in Design Credit ID Credit 1.1-1.4

LEED awards credits for comprehensive strategies that demonstrate quantifiable environmental benefits not addressed by current LEED rating systems. Sustainable design for essential facilities should comply with ICC 500-08 requirements that protect against Cat 5 hurricanes and tornadoes. Sustainable design must assume a survivable design. WTG shelter curtain wall can help with a survivable design.