



**LEED CATEGORY: MATERIALS AND RESOURCES\***

**LEED CREDIT: Tenant Space, Long Term Commitment\***

**CREDIT 1.1: (1 Point)\***

**INTENT:** Encourage choices that will conserve resources, reduce waste, and reduce the environmental impacts of tenancy as they relate to materials, manufacturing, and transport.\*

**REQUIREMENTS:** Occupant commits to remain in the same location for not less than 10 years.\*

**ETHOSOURCE CONTRIBUTION:** EthoSource, LLC can provide a start-to-finish solution for a reconfiguration of your current space. With our ability to help you maximize your available square footage, you may find that you have more room for growth than you think. Efficient furnishing of your space may assist in meeting a long term obligation.

**LEED CATEGORY: MATERIALS AND RESOURCES\***

**LEED CREDIT: Resource Reuse, 30% Furniture and Furnishings\***

**CREDIT 3.3: (1 Point)\***

**INTENT:** Reuse building products and materials in order to reduce demand for virgin materials and reduce waste, thereby reducing impacts associated with the extraction and processing of virgin resources.\*

**REQUIREMENTS:** Use salvaged, refurbished, or used furniture and furnishings for 30% of the total furniture and furnishings budget. \*



**ETHOSOURCE CONTRIBUTION:** We maintain a 100,000 square foot facility where we clean, rebuild, replace and repaint Herman Miller Ethospace to deliver premium system solutions. Ethosource is dedicated to resource reuse and does similar work with task chairs as well. Since systems and seating make up a large portion of the office furniture budget, our solutions can be instrumental in achieving credit 3.3.

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**LEED CATEGORY: MATERIALS AND RESOURCES\***

**LEED CREDIT:** Recycled Content – 10% (or 20% for 2 points) (post consumer + pre-consumer)\*

**CREDIT 4.1 & 4.2: (1-2 Points)\***

**INTENT:** Increase demand for building products that incorporate recycled content materials, therefore reducing impacts resulting from extraction and processing of virgin materials. \*

**REQUIREMENTS:** Use materials, including furniture and furnishings, with recycled content such that the sum of post-consumer recycled content plus one-half of the post-industrial content constitutes at least 10% of the total value of the materials in the project.

The value of the recycled content portion of a material or furnishing shall be determined by dividing the weight of recycled content in the item by the total weight of all material in the item, then multiplying the resulting percentage by the total cost of the item.

**ETHOSOURCE CONTRIBUTION:** Ethosource, LLC has numerous resources at its disposal. Along with our reusable inventories, we can specify fabrics made from 100% recycled polyester and surface cores recycled from 100% pre-consumer wood fiber particleboard.

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**LEED CATEGORY: MATERIALS AND RESOURCES\***

**LEED CREDIT:** Regional Materials, 20% Manufactured Regionally\*



### CREDIT 5.1: (1 Point)\*

**INTENT:** Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the regional economy and reducing the environmental impacts resulting from transportation.\*

**REQUIREMENTS:** Use a minimum of 20% of the combined value of construction and Division 12 (Furniture) materials and products that are manufactured regionally within a radius of 500 miles.\*

**ETHOSOURCE CONTRIBUTION:** Strategically located in Morgantown, PA 19543, Ethosource, LLC is within a 500 mile radius of several major cities, including:

Baltimore, MD      Hartford, CT  
Boston, MA      New York, NY  
Charlotte, NC      Philadelphia, PA  
Cleveland, OH      Pittsburgh, PA  
Columbus, OH      Richmond, VA  
Detroit, MI      Washington D.C.



### LEED CATEGORY: MATERIALS AND RESOURCES\*

180 Grace Boulevard  
Morgantown, PA 19543  
(610) 286-1766



**LEED CREDIT:** Rapidly Renewable Materials\*

**CREDIT 6: (1 Point)\***

**INTENT:** Reduce the use and depletion of finite raw materials and long-cycle renewable materials by replacing them with rapidly renewable materials.\*

**REQUIREMENTS:** Use rapidly renewable construction and Division 12 (Furniture and Furnishings) materials and products, made from plants that are typically harvested within a 10-year or shorter cycle, for 5% of the total value (\$) of all materials and products used in the project. \*

**ETHOSOURCE CONTRIBUTION:** Workstations can be specified with surface edges made from rapidly renewable resources in the form of bamboo and urethane; as well as bio-based fabrics on tiles. Bio-based fabrics are made using starch-based agricultural products such as corn, beets, and rice. Natural bamboo is quickly harvested and leaves no impact on the environment. The urethane is comprised of approximately 65% refined vegetable oil by weight and vegetable oil is a rapidly renewable material. The surfaces themselves can be laminated with linoleum, a material made from rapidly renewable resources such as rosin, cork flour, linseed oil and jute.

**LEED CATEGORY:** INDOOR ENVIRONMENTAL QUALITY\*

**LEED CREDIT:** Low-Emitting Materials – Composite Wood and Laminate Adhesives\*

**CREDIT 4.4: (1 Point)\***

**INTENT:** Reduce the quantity of indoor air contaminants that are odorous, potentially irritating and/or harmful to the comfort and well-being of installers and occupants. \*

**REQUIREMENTS:** Composite wood and agri-fiber products, including core materials, must contain no added urea-formaldehyde resins. Laminate adhesives used to fabricate on-site and shop applied assemblies containing these laminate adhesives must contain no urea-formaldehyde. Products



covered by EQ Credit 4.5, Low-Emitting Materials, System Furniture and Seating and Seating shall be excluded from these requirements.\*

**ETHOSOURCE CONTRIBUTION:** Our stations can be specified with work surfaces constructed of core material with no urea formaldehyde added, resulting in low formaldehyde emissions (0.000.01PPM). All Wilsonart and Formica laminates are GREENGUARD Certified for indoor quality performance.

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**LEED CATEGORY: INDOOR ENVIRONMENTAL QUALITY\***

**LEED CREDIT:** Low Emitting Materials, Systems Furniture and Seating\*

**CREDIT 4.5 (1 Point)\***

**INTENT:** Reduce the quantity of indoor air contaminants that are odorous, potentially irritating and/or harmful to the comfort and well-being of installers and occupants.\*

**REQUIREMENTS:** All systems furniture and seating introduced into the project space that has been manufactured, refurbished or refinished within one year prior to occupancy must meet one of the requirements below.

Option A: Greenguard Indoor Air Quality Certified

OR

Option B: Calculated indoor air concentrations that are less than or equal to those established in Table 2 for furniture systems and seating determined by a procedure based on the U.S. Environmental Protection Agency's Environmental Technology Verification (ETV) Large Chamber Test Protocol for Measuring Emissions of VOCs and Aldehydes (September 1999) testing protocol conducted in an independent air quality testing laboratory.

**ETHOSOURCE CONTRIBUTION:** Our refurbished workstations and seating use a waterborne adhesive that is Greenguard certified.

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**LEED CATEGORY: INDOOR ENVIRONMENTAL QUALITY\***

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**LEED CREDIT:** Controllability of Systems, Lighting\*

**CREDIT 6.1: (1 Point)\***

**INTENT:** Provide a high level of lighting system control for individual occupants, and specific groups in multi-occupant spaces (e.g., classrooms and conference areas), to promote the productivity, comfort and well-being of building occupants. \*

**REQUIREMENTS:** Provide lighting controls for:

At least 90% of occupants, enabling adjustments to suit individual task needs and preferences. AND  
All shared multi-occupant spaces where transient groups must share lighting controls. \*

**ETHOSOURCE CONTRIBUTION:** Our stations are available with free standing and/or overhead task lighting that allows each individual to control his/her own lighting.

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**LEED CATEGORY:** INDOOR ENVIRONMENTAL QUALITY\*

**LEED CREDIT:** Daylight and Views – Daylight 75% of Spaces AND Daylight 90%\*

**CREDIT 8.1 or 8.2: (1 Point)\***

**INTENT:** Provide the occupants with a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the tenant space. \*

**REQUIREMENTS:** For at least 75% (90% for 8.2) of all regularly occupied areas:

Achieve a minimum Daylight Factor of 2% (excluding all direct sunlight penetrations) OR  
Using a computer simulation model, achieve at least 25 foot-candles. AND  
Provide daylight redirection and /or glare control devices to ensure daylight effectiveness. Exceptions for areas where tasks would be hindered by the use of daylight will be considered on their merits. \*

**ETHOSOURCE CONTRIBUTION:** Ethospace can be designed with varying panel heights, glazed tiles (clear and translucent) and open tiles to maximize the impact of natural light and preserve occupant views.



**LEED CATEGORY: INDOOR ENVIRONMENTAL QUALITY\***

**LEED CREDIT: Daylight and Views – Views of 90% of Seated Spaces\***

**CREDIT 8.3: (1 Point)\***

**INTENT:** Provide the occupants with a connection between indoor spaces and the outdoor environment through the introduction of daylight and views into the regularly occupied areas of the tenant space. \*

**REQUIREMENTS:** Achieve direct sunlight to the outdoor environment (vision glazing between 2'-6" and 7'-6") for building occupants in 90% of all regularly occupied areas. Determine the area with direct line of sight by totaling the regularly occupied square footage that meets the following criteria:

In plan view, the area is within sight lines drawn from perimeter vision glazing.

In section view, a direct sight line can be drawn from a point 42 in. above the floor to perimeter vision glazing.

Line of sight may be drawn through interior glazing. For private offices, the entire square footage of the office can be counted if 75% or more of the area has direct line of sight to perimeter vision glazing. If less than 75% of the area has direct line of sight then only the area with the direct line of sight will be counted towards meeting the credit requirement not the whole office area. For multi-occupant spaces, the actual square footage with direct line of sight to perimeter vision glazing is counted. \*

**ETHOSOURCE CONTRIBUTION:** Ethospace can be designed with varying panel heights, glazed tiles (clear and translucent) and open tiles to maximize the impact of natural light and preserve occupant views.



**LEED CATEGORY: INNOVATION AND DESIGN PROCESS\***

**LEED CREDIT: Innovation and Design\***

**CREDIT 1.1 – 1.4 (1-4 Points)\***

**INTENT:** Provide design teams and projects the opportunity to be awarded points for exceptional performance above the requirements set by LEED Green Building Rating System and/or innovative performance in Green Building categories not specifically addressed by the LEED Green Building Rating System. \*

**REQUIREMENTS:** Credits as follows:

**1.1 – 1.4 (1 Point)** Identify the intent of the proposed innovation credit, the proposed requirements for compliance, the proposed submittals to demonstrate compliance, and the design approach (strategies) that might be used to meet the requirements.

**ETHOSOURCE CONTRIBUTION:** Our team of account executives, designers, and project managers is here to help you achieve *exceptional* performance in every aspect of your project. Earning points for Innovation and Design could take any number of paths. We could help drive exceptional performance for Material and Resources Credit 3.3 (Resource Reuse, 30% Furniture and Furnishings), or help improve indoor air quality through our low VOC solutions, or help reduce noise levels with acoustic tiles in an open- plan design. Every project has unique needs and we will work with you to maximize your Innovation and Design performance.