Manufacturing and Specifying products to promote the conservation of water in commercial, residential and light industrial applications helping in the designing and construction of "GREEN" LEED certified buildings.

LEED-NC
-Green Building Rating System for New Construction & Major Renovations Version 2.2

Below sections where Watts Water Technologies products can be accepted and used to gain LEED certification:

Sustainable Sites

SS Credit 5.2: Site Development: Maximize Open Space
1 Point

Intent:

Provide a high ratio of open space to development footprint to promote biodiversity.

Watts offers innovative products that can be installed in vertical, horizontal, and N shaped patterns to save space in the devolpment footprint (defined as the total area of the building footprint, hardscape, access roads and parking) and/or provide vegetated open space within the project boundry to exceed the local zoning's open space requirement for the site by 25%.

Acceptable Watts Water Technologies Products:

- ***Reduced Pressure Zone Backflow Assemblies*** **(957, 957N, 957Z, 994, 994BLT, 994HMB, 909, 009, 919, 995)**
- ***Reduced Pressure Detector Assemblies*** **(957RPDA, 957NRPDA, 994RPDA, 909RPDA)**
- ***Double Check Assemblies*** **(757, 757N, 757a, 757Na, 774, 774X, 709, 007, 719, 775)**
- ***Double Check Detector Assemblies*** **(757DCDA, 757NDCDA, 757a DCDA, 757Na DCDA, 774DCDA, 774XDCDA, 709DCDA, 007DCDA)**
- ***Dual Check Valves*** **(9, 7, Cu7, L7U2-2)**
- ***Irrigation Control Valves*** **(ACV 813, 815, 815SA, 815-4, 815-4SA, 816, 818)**
- ***Above ground compact Enclosures*** **(WattsRock)**
- ***Vacuum Breakers*** **(800M4QT, 800M4FR, 008PCQT)**

Water Efficiency

WE Credit: Water Efficient Landscaping: Reduce by 50%
1 Point

Intent:

Limit or eliminate the use of potable water, or other natural surface or subsurface water resources available on or near the project site, for landscape irrigation.

Common practice and analysis indicate that 50psi or less is sufficient pressure for most homes and commercial proposes. The higher the pressure the more of your water resources are wasted.

Watts Pressure Reducing Valves will limit a high pressure to a lower more suitable PSI reducing the amount of wastewater returned to the environment.

Acceptable Watts Water Technologies Products:

- ***Direct Acting Water Pressure Reducing Valves*** **(U5-Z3, 25AUB-Z3, N35B, N45B-M1, N45B, N45B-EZ-M1, N45B-EZ, N55B-M1, N55B, 223, 223S, N223B, N223BS, N223F, N223FS, 127W, F127W, 2300, N250, N250B)**
- ***(Globe) Pilot Operated Water Pressure Reducing Valves*** **(815, 815SA, 815-4, 815-4SA)**

WE Credit 3.1: Water Use Reduction: 20% Reduction
1 Point

Intent:

Maximize water efficiency within buildings to reduce the burden on municipal water supply and wastewater systems.

Common practice and analysis indicate that 50psi or less is sufficient pressure for most homes and commercial proposes. The higher the pressure the more of your water resources are wasted.

Watts Pressure Reducing Valves will limit a high pressure to a lower more suitable PSI reducing the amount of wastewater returned to the environment.

Acceptable Watts Water Technologies Products:

- ***Direct Acting Water Pressure Reducing Valves*** **(U5-Z3, 25AUB-Z3, N35B, N45B-M1, N45B, N45B-EZ-M1, N45B-EZ, N55B-M1, N55B, 223, 223S, N223B, N223BS, N223F, N223FS, 127W, F127W, 2300, N250, N250B, 26A, 263A, SS263AP, P50, P60, 560, H560, 123LP)**
- ***(Globe) Pilot Operated Water Pressure Reducing Valves*** **(115, 115-2, 115-3,115-4, 115-7, 115-74, 115F)**
- ***(Angle) Pilot Operated Water Pressure Reducing Valves*** **(1115, 1115-2, 1115-3, 1115-4, 1115-7, 1115-74, 1115F)**

Energy and Atmosphere

EA Credit 5: Measurement & Verification
1 Point

Intent:

Provide for the on going accountability of building energy consumption over time.

Watts Tempering Valves allow for the water heaters to be operated at high temperatures, extending the effective system flow rate, preventing the growth of Legionella, and reducing the size/BTU requirements needed to provide capacity for peak system demands.

Acceptable Watts Water Technologies Products:

- ***Tempering Valves*** **(MMV, 1170, USG, L170)**

Materials & Resources

MR Credit 1.3: Building Reuse: Maintain 50% of Interior Non-Structural Elements
1 Point

Intent:

Extend the life cycle of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impacts of new buildings as they relate to materials manufacturing and transport.

All Watts products are made of high quality materials that can be recycled and used again to extend the life cycle of existing buildings or to reduce environmental impacts of new building construction.

Acceptable Watts Water Technologies Products:

- ***Water Pressure Reducing Valves*** **(Direct Acting, Pilot Operated)**
- ***Relief Valves*** **(Temperature & Pressure, Pressure)**
- ***Backflow Prevention Products*** **(Reduced Pressure Zone Assemblies, Reduced Pressure Detector Assemblies, Double Check Valve Assemblies, Double Check Detector Assemblies, Dual Check Valves, Vacuum Breakers)**
- ***Ball Valves*** **(Import & Domestic)**
- ***Butterfly Valves*** **(DBF, BF)**
- ***Gate, Globe, & Check Valves*** **(Bronze, Cast Iron)**
- ***Balancing & Flow Measurement Valves*** **(CSM-61, CSM-61LF-S, CSM-81-F, TDV, CSM-91-IK, FMO)**
- ***Strainers*** **(Import & Domestic)**
- ***Tempering Valves*** **(1016 Listed, 1017 Listed)**
- ***Water Filtration*** **(Residential, Commercial, Marine)**
- ***Water Hammer Arrestors*** **(Series 15, 05, 150A)**

MR Credit 2.2: Construction Waste Management: Divert 75% from Disposal
1 Point

Intent:

Divert construction, demolition and land-clearing debris from disposal in landfills and incinerators. Redirect recyclable recovered resources back to the manufacturing process. Redirect reusable materials to appropriate sites.

All Watts Water Technologies are made up of either recyclable material or material that can be recycled. Including bronze, ductile iron, plastic, and stainless steel used in all valves, drains, pex piping, etc.

Watts Water Technologies packaging is made of corrugated post consumer card board. Corrugated cardboard manufactured from recycled pulp uses about 75% of the energy used in the manufacture of corrugated cardboard made from virgin pulp.

Acceptable Watts Water Technologies Products:

- **All Products**

Indoor Environmental Quality

EQ Credit 4.2: Low-Emitting Materials: Paints & Coatings
1 Point

Intent:

Reduce the quantity of indoor air contaminants that are odorous, irritating and or harmful to the comfort and well-being of installers and occupants.

Watts Water Technologies utilizes an anti-corrosive and anti-rust Fused Epoxy coating on potable water valves.

Acceptable Watts Water Technologies Products:

- ***Water Pressure Reducing Valves*** **(Direct Acting, Pilot Operated)**
- ***Relief Valves*** **(Temperature & Pressure, Pressure)**
- ***Backflow Prevention Products*** **(Reduced Pressure Zone Assemblies, Reduced Pressure Detector Assemblies, Double Check Valve Assemblies, Double Check Detector Assemblies, Dual Check Valves)**
- ***Ball Valves*** **(G4000)**
- ***Butterfly Valves*** **(DBF, BF)**
- ***Gate, Globe, & Check Valves*** **(F-503, F-502, F-501, F-511, ICVW-125, ICVF-125)**
- ***Balancing & Flow Measurement Valves*** **(CSM-81-F, TDV, FMO)**
- ***Strainers*** **(77F-DI-FDA)**
- ***Water Hammer Arrestors*** **(Series 150A)**

Innovation & Design Process

ID Credit 1-1.4: Innovation in Design
1-4 Points

Intent:

To provide design teams and projects, the opportunity to be awarded points for exceptional performance above the requirements set by the LEED-NC Green Building Rating System and/or innovative performance in Green Building categories not specifically addressed by the LEED-NC Green Building Rating System.

Watts Water Technologies mutual goal of providing safe and comfortable conservative Green Buildings will help all Engineers and Architects with strategies, submittals, and CAD drawings to help meet the Innovation in Design points.

***Direct any questions to the following:**

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