

XLERATOR® HAND DRYER

LEED V4.1 CREDIT CONTRIBUTION



The XLERATOR Hand Dryer helps facilities qualify for the following LEED v4.1 Credits:

LEED BD + C: NEW CONSTRUCTION

1. **EA Prerequisite Minimum Energy Performance (required)**
XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in proposed building energy use. The XLERATOR represents an 80 percent energy use reduction over conventional hand dryers. XLERATOR Hand Dryers are 1450 Watts (530 Watts No Heat). Project teams may input 3.68 Wh per 8 second cycle use and 3.74 VA non-use average standby mode power consumption for energy modelling purposes.
2. **EA Credit Optimize Energy Performance (up to 18 points)**
XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to an improvement in the proposed building performance rating compared with the baseline.
3. **MR Credit Building Product Disclosure and Optimization – Environmental Product Declarations** XLERATOR Hand Dryers may contribute to this credit through the following:
 - a.) **Option 1. Environmental Product Declaration (EPD) (1 point)**
XLERATOR Hand Dryers may contribute to this credit as one of 20 installed products from 5 different manufacturers with a Product-Specific Type III Environmental Product Declaration (EPD) certified by UL Environment, a 1.5 product weighting for LEEDv4.1 projects.
4. **MR Credit Building Product Disclosure and Optimization – Sourcing of Raw Materials** XLERATOR Hand Dryers may contribute to this credit through the following:
 - a.) **Option 2. Leadership Extraction Practices (1 point)**
XLERATOR contains recycled content. See chart below for recycled content based on model XL-SB.

Model	Pre-Consumer	Post-Consumer
XL-SB	37.34%	0%

While Excel Dryer products are proudly Made in the USA, raw material components of the XLERATOR Hand Dryer are not extracted within 100 miles of its manufacture location, East Longmeadow, MA.

5. **MR Credit Building Product Disclosure and Optimization – Material Ingredients**
XLERATOR Hand Dryers may contribute to this credit through the following:
 - Option 1. Material ingredient reporting (1 point)** XLERATOR Hand Dryer has a published, complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard.
6. **Innovation** – Reference the Innovation Catalog and Pilot Credit Library at www.usgbc.org for a full listing of Innovation and Pilot Credits available to your project. The XLERATOR Hand Dryer may contribute to improved hand hygiene as part of a Green Cleaning Policy and eliminates ongoing paper towel waste as part of an Ongoing Purchasing and Waste Policy.

LEED BD+C: CORE AND SHELL

1. **EA Prerequisite Minimum Energy Performance (required)**
XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in proposed building energy use. The XLERATOR represents an 80 percent energy use reduction over conventional hand dryers. XLERATOR Hand Dryers are 1450 Watts (530 Watts No Heat). Project teams may input 3.68 Wh per 8 second cycle use and 3.74 VA non-use average standby mode power consumption for energy modelling purposes.
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LEED BD+C: SCHOOLS

- 1. EA Prerequisite Minimum Energy Performance (required)**

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- 2. EA Credit Optimize Energy Performance (up to 16 points)**

XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to an improvement in the proposed building performance rating compared with the baseline.
- 3. MR Credit Building Product Disclosure and Optimization – Environmental Product Declarations** XLERATOR Hand Dryers may contribute to this credit through the following:
 - a.) Option 1. Environmental Product Declaration (EPD) (1 point)**

XLERATOR Hand Dryers may contribute to this credit as one of 20 installed products from 5 different manufacturers with a Product-Specific Type III Environmental Product Declaration (EPD) certified by UL Environment, a 1.5 product weighting for LEEDv4.1 projects
- 4. MR Credit Building Product Disclosure and Optimization – Sourcing of Raw Materials** XLERATOR Hand Dryers may contribute to this credit through the following:
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- 5. MR Credit Building Product Disclosure and Optimization – Material Ingredients**

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- 6. Innovation** – Reference the Innovation Catalog and Pilot Credit Library at www.usgbc.org for a full listing of Innovation and Pilot Credits available to your project. The XLERATOR Hand Dryer may contribute to improved hand hygiene as part of a Green Cleaning Policy and eliminates ongoing paper towel waste as part of an Ongoing Purchasing and Waste Policy.

LEED BD+C: RETAIL

- 1. EA Prerequisite Minimum Energy Performance (required)**

XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in proposed building energy use. The XLERATOR represents an 80 percent energy use reduction over conventional hand dryers. XLERATOR Hand Dryers are 1450 Watts (530 Watts No Heat). Project teams may input 3.68 Wh per 8 second cycle use and 3.74 VA non-use average standby mode power consumption for energy modelling purposes.
- 2. EA Credit Optimize Energy Performance (up to 18 points)**

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- 3. MR Credit Building Product Disclosure and Optimization – Environmental Product Declarations** XLERATOR Hand Dryers may contribute to this credit through the following:
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- 6. Innovation** – Reference the Innovation Catalog and Pilot Credit Library at www.usgbc.org for a full listing of Innovation and Pilot Credits available to your project. The XLERATOR Hand Dryer may contribute to improved hand hygiene as part of a Green Cleaning Policy and eliminates ongoing paper towel waste as part of an Ongoing Purchasing and Waste Policy.

LEED BD+C: HEALTHCARE

- 1. EA Prerequisite Minimum Energy Performance (required)**

XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in proposed building energy use. The XLERATOR represents an 80 percent energy use reduction over conventional hand dryers. XLERATOR Hand Dryers are 1450 Watts (530 Watts No Heat). Project teams may input 3.68 Wh per 8 second cycle use and 3.74 VA non-use average standby mode power consumption for energy modelling purposes.
- 2. EA Credit Optimize Energy Performance (up to 20 points)**

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- 3. MR Credit Building Product Disclosure and Optimization – Environmental Product Declarations** XLERATOR Hand Dryers may contribute to this credit through the following:
 - a.) Option 1. Environmental Product Declaration (EPD) (1 point)**

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LEED BD+C: DATA CENTERS

- 1. EA Prerequisite Minimum Energy Performance (required)**

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- 2. EA Credit Optimize Energy Performance (up to 18 points)**

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LEED BD+C: HOSPITALITY

1. EA Prerequisite Minimum Energy Performance (required)

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LEED BD+C: WAREHOUSES AND DISTRIBUTION CENTERS

1. EA Prerequisite Minimum Energy Performance (required)

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2. EA Credit Optimize Energy Performance (up to 18 points)

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3. MR Credit Building Product Disclosure and Optimization – Environmental Product Declarations

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LEED RESIDENTIAL SINGLE FAMILY HOMES

No Contribution (N/A)

LEED RESIDENTIAL MULTIFAMILY HOMES

1. EA Prerequisite Minimum Energy Performance (required)

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2. EA Credit Optimize Energy Performance (up to 18 points)

XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to an improvement in the proposed building performance rating compared with the baseline.

3. MR Credit Environmentally Preferable Products (up to 4 points) - The XLERATOR may contribute to:

- a.) **Option 2: BPDO – Environmental Product Declaration (EPD) Path 1:** XLERATOR Hand Dryers may contribute to this credit as one of 20 installed products from 5 different manufacturers with a Product-Specific Type III Environmental Product Declaration (EPD) certified by UL Environment, a 1.5 product weighting for LEEDv4.1 projects.
- b.) **Option 3: BPDO – Sourcing of Raw Materials Path 1 Option:** Leadership Extraction Practices. XLERATOR contains recycled content. See chart below for recycled content based on model XL-SB.

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- c.) **Option 4: BPDO – Material Ingredients Path 1:** XLERATOR Hand Dryer by Excel Dryer has a published, complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard.

LEED RESIDENTIAL MULTIFAMILY HOMES CORE AND SHELL

1. EA Prerequisite Minimum Energy Performance (required)

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XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to an improvement in the proposed building performance rating compared with the baseline.

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- a.) **Option 2: BPDO – Environmental Product Declaration (EPD) Path 1:** XLERATOR Hand Dryers may contribute to this credit as one of 20 installed products from 5 different manufacturers with a Product-Specific Type III Environmental Product Declaration (EPD) certified by UL Environment, a 1.5 product weighting for LEEDv4.1 projects.
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LEED ID+C: COMMERCIAL INTERIORS

1. EA Prerequisite Minimum Energy Performance (required)

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2. EA Credit Optimize Energy Performance (up to 24 points)

XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to an improvement in the proposed building performance rating compared with the baseline.

3. MR Credit Building Product Disclosure and Optimization – Environmental Product Declarations

XLERATOR Hand Dryers may contribute to this credit through the following:

a.) Option 1. Environmental Product Declaration (EPD) (1 point)

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4. MR Credit Building Product Disclosure and Optimization – Sourcing of Raw Materials

XLERATOR Hand Dryers may contribute to this credit through the following:

a.) Option 2. Leadership Extraction Processes (1 point)

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6. Innovation

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LEED ID+C: RETAIL

1. EA Prerequisite Minimum Energy Performance (required)

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LEED ID+C: HOSPITALITY

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LEED O+M: EXISTING BUILDINGS

1. **EA Prerequisite Minimum Energy Performance (required)**
XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in building energy use. The XLERATOR represents an 80 percent energy use reduction over conventional hand dryers.
2. **EA Credit Optimize Energy Performance (required, up to 33 points)**
XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in building energy use.
3. **MR Prerequisite Waste Performance (required, up to 8 points):** XLERATOR Hand Dryers may contribute to this credit by eliminating the ongoing waste of paper towels

Facility Type	*Estimated Hand Dries Per Day	**Estimated Pounds of Paper Towel Waste Per Day Eliminated by Using XLERATOR
Small Office Building (5,500 sf)	100	1.25 lbs.
Restaurant	800	10 lbs.
Large Office Building (500,00sf)	10,000	125 lbs.
Airport (125,000 passengers/day)	100,000	1250 lbs.

* Estimate based on LEEDv4.1 Indoor Water Use Reduction Calculator default lavatory usage.

**Estimate based on 2 paper towels per hand dry and a trifold paper towel weight of 1/10th of an ounce.

4. **MR Credit Purchasing (1 point)** - XLERATOR Hand Dryers may contribute to this credit through Option 2. Building Materials:
 - a.) **Health Product Declaration:** XLERATOR Hand Dryer by Excel Dryer has a published, complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard.
 - b.) **Environmental Product Declaration (EPD):** XLERATOR Hand Dryers may contribute to this credit as one of 20 installed products from 5 different manufacturers with a Product-Specific Type III Environmental Product Declaration (EPD) certified by UL Environment, a 1.5 product weighting for LEEDv4.1 projects.
 - c.) **Recycled Content:** XLERATOR contains recycled content. See chart below for recycled content based on model XL-SB.

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XL-SB	37.34%	0%

5. **EQ Prerequisite Green Cleaning Policy (required)** XLERATOR Hand Dryers may contribute to this credit by promoting and improving hand hygiene and promoting the conservation of energy used in the building.
6. **EQ Credit Green Cleaning (1 point)** XLERATOR Hand Dryers may contribute to Option 1. Custodial Effectiveness Assessment by reducing custodial tasks including replacement of paper towels and removal of paper towel waste.

LEED O+M: SCHOOLS

- EA Prerequisite Energy Efficiency Best Management Practices (required)**
XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in building energy use. The XLERATOR represents an 80 percent energy use reduction over conventional hand dryers.
- EA Prerequisite Energy Performance (required, up to 33 points)** XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in building energy use.
- MR Prerequisite Waste Performance (required, up to 8 points)** XLERATOR Hand Dryers may contribute to this credit by eliminating the ongoing waste of paper towels.

Facility Type	*Estimated Hand Dries Per Day	**Estimated Pounds of Paper Towel Waste Per Day Eliminated by Using XLERATOR
Small Office Building (5,500 sf)	100	1.25 lbs.
Restaurant	800	10 lbs.
Large Office Building (500,00 sf)	10,000	125 lbs.
Airport (125,000 passengers/day)	100,000	1250 lbs

* Estimate based on LEEDv4.1 Indoor Water Use Reduction Calculator default lavatory usage.
** Estimate based on 2 paper towels per hand dry and a trifold paper towel weight of 1/10th of an ounce.

- MR Credit Purchasing (1 point)** - XLERATOR Hand Dryers may contribute to this credit through Option 2. Building Materials:
 - Health Product Declaration:** XLERATOR Hand Dryer by Excel Dryer has a published, complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard.
 - Environmental Product Declaration (EPD):** XLERATOR Hand Dryers may contribute to this credit as one of 20 installed products from 5 different manufacturers with a Product-Specific Type III Environmental Product Declaration (EPD) certified by UL Environment, a 1.5 product weighting for LEEDv4.1 projects.
 - Recycled Content:** XLERATOR contains recycled content. See chart below for recycled content based on model XL-SB.

Model	Pre-Consumer	Post-Consumer
XL-SB	37.34%	0%

- EQ Prerequisite Green Cleaning Policy (required)** XLERATOR Hand Dryers may contribute to this credit by promoting and improving hand hygiene and promoting the conservation of energy used in the building.
- EQ Credit Green Cleaning (1 point)** XLERATOR Hand Dryers may contribute to Option 1. Custodial Effectiveness Assessment by reducing custodial tasks including replacement of paper towels and removal of paper towel waste.

LEED O+M: RETAIL

- EA Prerequisite Energy Efficiency Best Management Practices (required)**
XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in building energy use. The XLERATOR represents an 80 percent energy use reduction over conventional hand dryers.
- EA Prerequisite Energy Performance (required, up to 33 points)** XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in building energy use.
- MR Prerequisite Waste Performance (required, up to 8 points)** XLERATOR Hand Dryers may contribute to this credit by eliminating the ongoing waste of paper towels.

Facility Type	*Estimated Hand Dries Per Day	**Estimated Pounds of Paper Towel Waste Per Day Eliminated by Using XLERATOR
Small Office Building (5,500 sf)	100	1.25 lbs.
Restaurant	800	10 lbs.
Large Office Building (500,00 sf)	10,000	125 lbs.
Airport (125,000 passengers/day)	100,000	1250 lbs

* Estimate based on LEEDv4.1 Indoor Water Use Reduction Calculator default lavatory usage.
** Estimate based on 2 paper towels per hand dry and a trifold paper towel weight of 1/10th of an ounce.

- MR Credit Purchasing (1 point)** - XLERATOR Hand Dryers may contribute to this credit through Option 2. Building Materials:
 - Health Product Declaration:** XLERATOR Hand Dryer by Excel Dryer has a published, complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard.
 - Environmental Product Declaration (EPD):** XLERATOR Hand Dryers may contribute to this credit as one of 20 installed products from 5 different manufacturers with a Product-Specific Type III Environmental Product Declaration (EPD) certified by UL Environment, a 1.5 product weighting for LEEDv4.1 projects.
 - Recycled Content:** XLERATOR contains recycled content. See chart below for recycled content based on model XL-SB.

Model	Pre-Consumer	Post-Consumer
XL-SB	37.34%	0%

- EQ Prerequisite Green Cleaning Policy (required)** XLERATOR Hand Dryers may contribute to this credit by promoting and improving hand hygiene and promoting the conservation of energy used in the building.
- EQ Credit Green Cleaning (1 point)** XLERATOR Hand Dryers may contribute to Option 1. Custodial Effectiveness Assessment by reducing custodial tasks including replacement of paper towels and removal of paper towel waste.

LEED O+M: DATA CENTERS

- 1. EA Prerequisite Energy Efficiency Best Management Practices (required) (required)** XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in building energy use. The XLERATOR represents an 80 percent energy use reduction over conventional hand dryers.
- 2. EA Prerequisite Energy Performance (required, up to 33 points)** XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in building energy use.
- 3. MR Prerequisite Waste Performance (required, up to 8 points)** XLERATOR Hand Dryers may contribute to this credit by eliminating the ongoing waste of paper towels.

Facility Type	*Estimated Hand Dries Per Day	**Estimated Pounds of Paper Towel Waste Per Day Eliminated by Using XLERATOR
Small Office Building (5,500 sf)	100	1.25 lbs.
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Airport (125,000 passengers/day)	100,000	1250 lbs

* Estimate based on LEEDv4.1 Indoor Water Use Reduction Calculator default lavatory usage.
 ** Estimate based on 2 paper towels per hand dry and a trifold paper towel weight of 1/10th of an ounce.

- 4. MR Credit Purchasing (1 point)** - XLERATOR Hand Dryers may contribute to this credit through Option 2. Building Materials:
 - a.) Health Product Declaration:** XLERATOR Hand Dryer by Excel Dryer has a published, complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard.
 - b.) Environmental Product Declaration (EPD):** XLERATOR Hand Dryers may contribute to this credit as one of 20 installed products from 5 different manufacturers with a Product-Specific Type III Environmental Product Declaration (EPD) certified by UL Environment, a 1.5 product weighting for LEEDv4.1 projects.
 - c.) Recycled Content:** XLERATOR contains recycled content. See chart below for recycled content based on model XL-SB.

Model	Pre-Consumer	Post-Consumer
XL-SB	37.34%	0%

- 5. EQ Prerequisite Green Cleaning Policy (required)** XLERATOR Hand Dryers may contribute to this credit by promoting and improving hand hygiene and promoting the conservation of energy used in the building.
- 6. EQ Credit Green Cleaning (1 point)** XLERATOR Hand Dryers may contribute to Option 1. Custodial Effectiveness Assessment by reducing custodial tasks including replacement of paper towels and removal of paper towel waste.

LEED O+M: HOSPITALITY

- 1. EA Prerequisite Energy Efficiency Best Management Practices (required) (required)** XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in building energy use. The XLERATOR represents an 80 percent energy use reduction over conventional hand dryers.
- 2. EA Prerequisite Energy Performance (required, up to 33 points)** XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in building energy use.
- 3. MR Prerequisite Waste Performance (required, up to 8 points)** XLERATOR Hand Dryers may contribute to this credit by eliminating the ongoing waste of paper towels.

Facility Type	*Estimated Hand Dries Per Day	**Estimated Pounds of Paper Towel Waste Per Day Eliminated by Using XLERATOR
Small Office Building (5,500 sf)	100	1.25 lbs.
Restaurant	800	10 lbs.
Large Office Building (500,00 sf)	10,000	125 lbs.
Airport (125,000 passengers/day)	100,000	1250 lbs

* Estimate based on LEEDv4.1 Indoor Water Use Reduction Calculator default lavatory usage.
 ** Estimate based on 2 paper towels per hand dry and a trifold paper towel weight of 1/10th of an ounce.

- 4. MR Credit Purchasing (1 point)** - XLERATOR Hand Dryers may contribute to this credit through Option 2. Building Materials:
 - a.) Health Product Declaration:** XLERATOR Hand Dryer by Excel Dryer has a published, complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard.
 - b.) Environmental Product Declaration (EPD):** XLERATOR Hand Dryers may contribute to this credit as one of 20 installed products from 5 different manufacturers with a Product-Specific Type III Environmental Product Declaration (EPD) certified by UL Environment, a 1.5 product weighting for LEEDv4.1 projects.
 - c.) Recycled Content:** XLERATOR contains recycled content. See chart below for recycled content based on model XL-SB.

Model	Pre-Consumer	Post-Consumer
XL-SB	37.34%	0%

- 5. EQ Prerequisite Green Cleaning Policy (required)** XLERATOR Hand Dryers may contribute to this credit by promoting and improving hand hygiene and promoting the conservation of energy used in the building.
- 6. EQ Credit Green Cleaning (1 point)** XLERATOR Hand Dryers may contribute to Option 1. Custodial Effectiveness Assessment by reducing custodial tasks including replacement of paper towels and removal of paper towel waste.

LEED O+M: INTERIORS

1. **EA Prerequisite Energy Efficiency Best Management Practices (required) (required)** XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in building energy use. The XLERATOR represents an 80 percent energy use reduction over conventional hand dryers.
2. **EA Prerequisite Energy Performance (required, up to 33 points)** XLERATOR Hand Dryers may contribute to this credit as energy efficiencies associated with the dryer contribute to a reduction in building energy use.
3. **MR Prerequisite Waste Performance (required, up to 8 points)** XLERATOR Hand Dryers may contribute to this credit by eliminating the ongoing waste of paper towels.

Facility Type	*Estimated Hand Dries Per Day	**Estimated Pounds of Paper Towel Waste Per Day Eliminated by Using XLERATOR
Small Office Building (5,500 sf)	100	1.25 lbs.
Restaurant	800	10 lbs.
Large Office Building (500,00 sf)	10,000	125 lbs.
Airport (125,000 passengers/day)	100,000	1250 lbs

* Estimate based on LEEDv4.1 Indoor Water Use Reduction Calculator default lavatory usage.
 ** Estimate based on 2 paper towels per hand dry and a trifold paper towel weight of 1/10th of an ounce.

4. **MR Credit Purchasing (1 point)** - XLERATOR Hand Dryers may contribute to this credit through Option 2. Building Materials:
 - a.) **Health Product Declaration:** XLERATOR Hand Dryer by Excel Dryer has a published, complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard.
 - b.) **Environmental Product Declaration (EPD):** XLERATOR Hand Dryers may contribute to this credit as one of 20 installed products from 5 different manufacturers with a Product-Specific Type III Environmental Product Declaration (EPD) certified by UL Environment, a 1.5 product weighting for LEEDv4.1 projects.
 - c.) **Recycled Content:** XLERATOR contains recycled content. See chart below for recycled content based on model XL-SB.

Model	Pre-Consumer	Post-Consumer
XL-SB	37.34%	0%

5. **EQ Prerequisite Green Cleaning Policy (required)** XLERATOR Hand Dryers may contribute to this credit by promoting and improving hand hygiene and promoting the conservation of energy used in the building.
6. **EQ Credit Green Cleaning (1 point)** XLERATOR Hand Dryers may contribute to Option 1. Custodial Effectiveness Assessment by reducing custodial tasks including replacement of paper towels and removal of paper towel waste.

