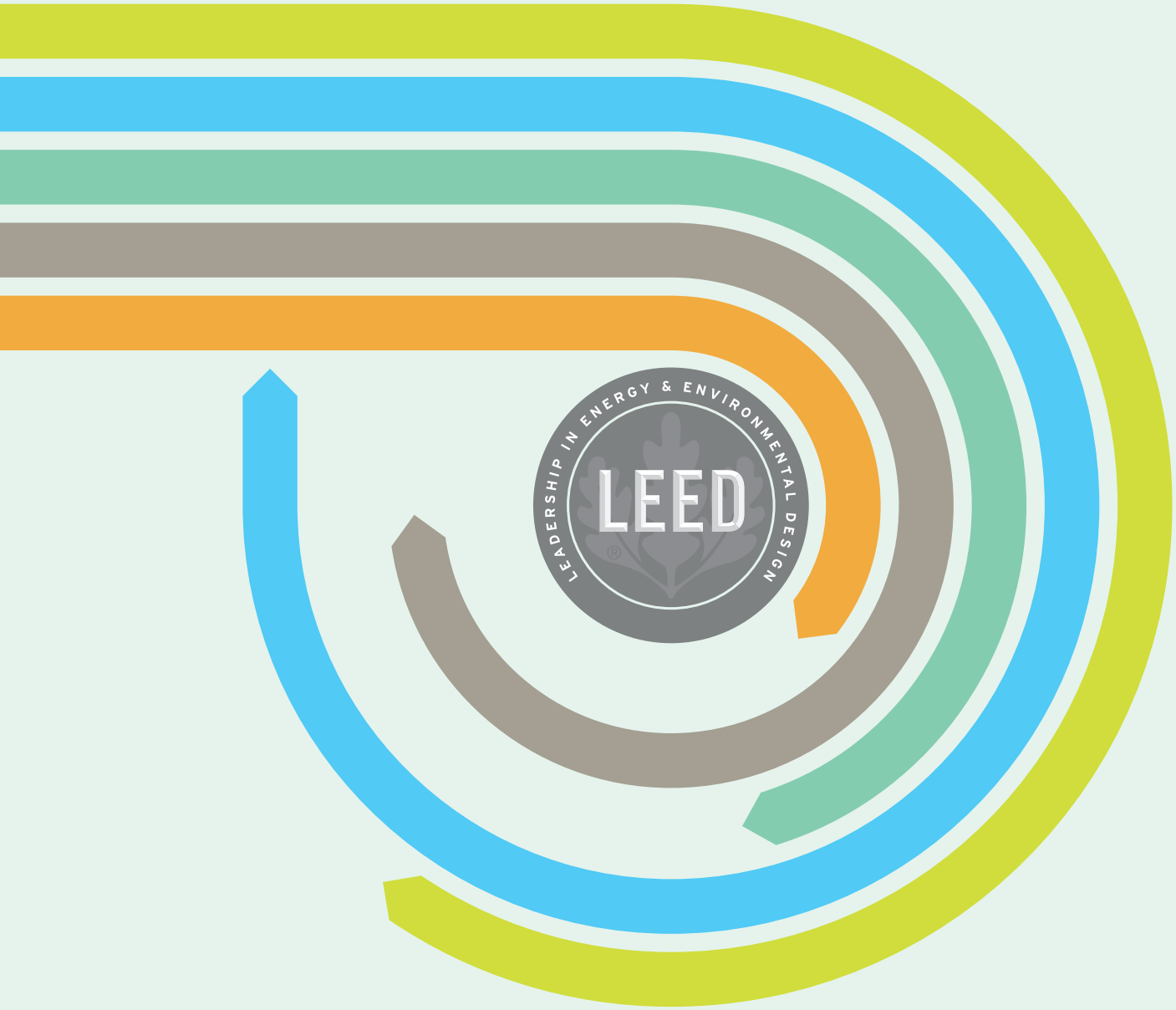
The LEED® Dynamic Plaque™ User Manual



April 2016

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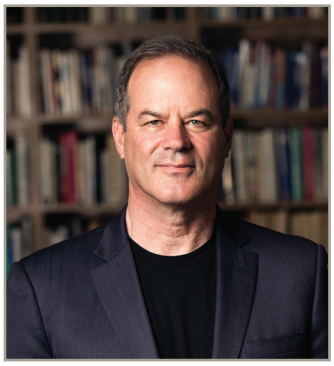
Welcome to the Future of Building Performance

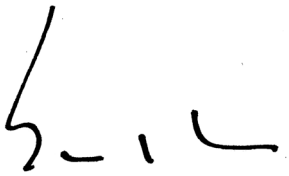


Congratulations! You are the first generation to measure your building's performance by using the LEED Dynamic Plaque.

Your commitment and leadership will change the way the world looks at building performance. My team and I are very excited to hear your thoughts. We'll be closely engaging with you throughout your journey with the platform.

Display your LEED Dynamic Plaque proudly. You are a part of a group that is making history.

Welcome to the team!



Scot Horst
Chief Product Officer,
U.S. Green Building Council

Visit leedon.io for FAQ and other resources and information about the LEED Dynamic Plaque.
Need help? Contact us at any time at contact@leedon.io.

Your LEED Dynamic Plaque

The LEED Dynamic Plaque is a building performance monitoring and scoring platform for LEED-certified projects, providing a LEED performance score, annual LEED recertification and global benchmarking. The plaque displays the LEED performance score which reflects the measured performance of the building across five categories: energy, water, waste, transportation and human experience. The LEED performance score corresponds with the globally recognized LEED certification levels.

The LEED Dynamic Plaque makes the invisible actionable and offers a means for interaction with the building on multiple levels: visitors can "see" performance, occupants can provide feedback on their experience, and owners and building managers can view trends to make informed decisions to optimize the building, benefitting people, planet and profit.

This user manual will assist you at all stages of engagement with the LEED Dynamic Plaque, from registration to recertification.

Platform Components

The LEED Dynamic Plaque consists of two components:

- ***Software:*** A dashboard to manage your building's data, and access the animation, through leedon.io
- ***Hardware:*** The physical display unit that displays the plaque animation and enables building occupants and visitors to observe and engage with your building's performance data

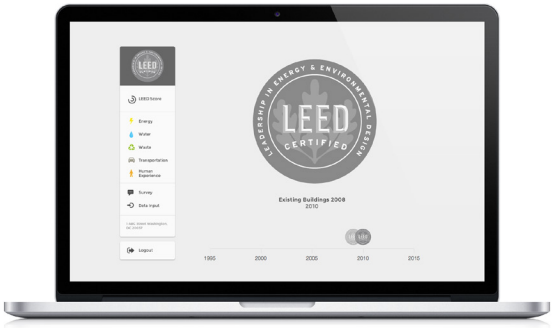
Software

leedon.io is a web-based portal for all your projects that are engaged with the LEED Dynamic Plaque. We recommend that you use Google Chrome to access, or the latest version of your browser. The LEED Dynamic Plaque software is compatible with the following browsers and versions:

Chrome
Safari: v. 5.0 and up
Firefox: v. 17.0 and up
Internet Explorer: v. 9.0 and up
Opera: v. 15.0 and up

Sign in to access your dashboard, a web-enabled interface where you can view and manage your portfolio of projects. Here, you can manage and update your building's data for energy, water, waste, transportation and human experience – among other functionalities.

Once you are signed in, you can access the following information:



Certification timeline: The certification timeline provides the chronological LEED certification history for your building or space. It displays previous LEED certifications achieved by your project, including the certification level, rating system and version, and the year awarded (e.g., LEED Platinum, Commercial Interiors v2009, awarded in 2010). Each new annual certification will appear on the certification timeline.

LEED score: This is your LEED performance score, which reflects the measured performance of the building across five categories: energy, water, waste, transportation and human experience. It is the sum of your category scores (below). Your LEED performance score is updated whenever new data enters the system. The LEED performance score has a scale of 1-100 and corresponds with the globally recognized LEED certification levels (40-49 = Certified, 50-59 = Silver, 60-79 = Gold, 80+ = Platinum).

The LEED performance score is the sum of the category scores and the base points. The maximum score in each category is:

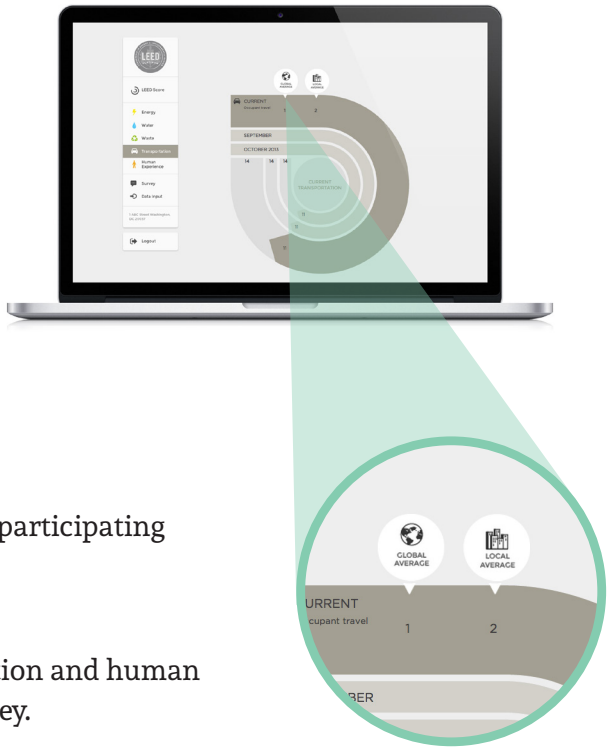
- Base: 10
- Energy: 33
- Water: 15
- Waste: 8
- Transportation: 14
- Human Experience: 20

Base points are awarded for credits that a project achieved during its most recent LEED certification, prior to engaging with the LEED Dynamic Plaque.

- Base points do not change from year to year
- Base Points are automatically added to the project
- See the "Resources" section for the list of eligible base points, corresponding with your LEED rating system

The LEED performance score at the end of the one-year performance period determines your updated LEED recertification level.

Category scores: These are the individual scores for energy, water, waste, transportation and human experience. Each category score reflects a rolling annual average of all data provided over the previous 12 months. For each, you will see a current score, last month's score, and your score from 12 months ago so that you can gauge improvements and changes. You can also monitor performance against global and local averages.

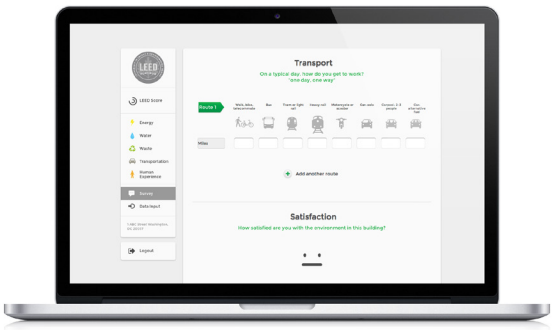


Global average: An average of the performance scores of participating LEED buildings from around the world.

Local average: This is an average of the performance scores of participating LEED buildings in the same state or province.

Survey: The survey gathers data that informs your transportation and human experience scores. Here, you can view and respond to the survey.

Data input: You will use this section to confirm details about your building and update your building performance data, which in turn influences your LEED performance score. Read more in the "Set Up" and "Track and Manage Performance" sections.



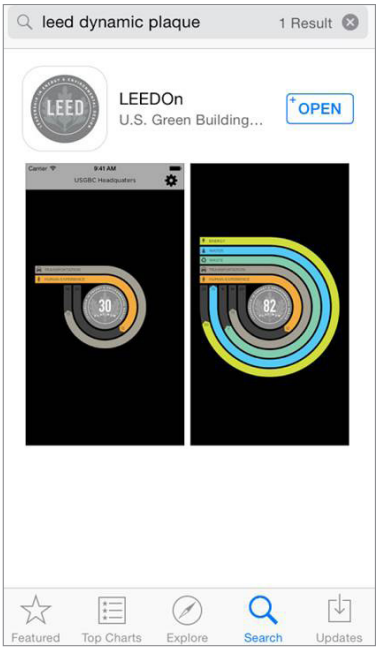
USGBC will post the following details about recertified projects in the Activity section of the Overview tab in GBIG:

- ***Recertification level***
- ***Date recertified***

Please email contact@leedon.io if you do not want this information on GBIG

Plaque Animation

Your building's unique plaque animation is accessible from leedon.io in the "Data Input" section under "Links." It displays your building's LEED performance score, corresponding LEED certification level and category scores in a continuous animation cycle of approximately 60 seconds. The data displayed in your plaque animation is updated on a perpetual basis as new building data enters the LEED Dynamic Plaque platform. Your plaque animation is optimized for Chrome, can be accessed via a custom URL and also appears on the LEED Dynamic Plaque hardware, enabling building visitors and occupants to view and engage with your building performance data.



Review the Confidentiality section for more information.

Mobile Application:

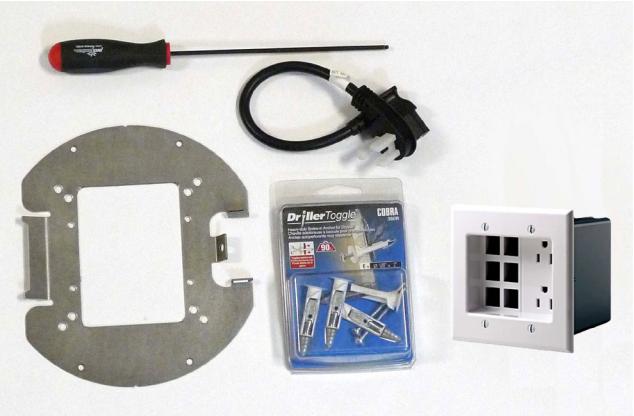
USGBC developed an application so that you can view the LEED Dynamic Plaque animation for your project on your phone. The app is available through Apple and Android platforms. Once you download the app, enter the LEED ID to view a project's animation. Only the animation will show (not the data input or any other information from leedon.io).

Privacy:

To maintain the privacy of the project's score: Navigate to Data Input > Setup > Survey section and set "LEED Score Public" to "No".

LEED Score Public: Selecting 'Yes' will show the plaque animation on the app. By selecting 'No,' the plaque animation will not be visible on the app.

When the option is set to "No", if anyone using the app navigates to the project ID, they will receive the following message: *"The Project you are trying to load has chosen to keep their score hidden."*



Hardware:

If you have purchased a package that includes the LEED Dynamic Plaque display unit, you will also receive the following components:

- ***Mounting bracket and screws***
- ***AC Power cord***
- ***Mini hexagonal-head screwdriver***
- ***Toggle bolts for wall mounting***
- ***Recessed receptacle plate and box***

Specifications:

- ***Diameter:*** 18” (457 mm),
- ***Depth:*** 3” (75 mm)
- ***Weight:*** 14 lbs (6.4 kg)
- ***Display:*** 1024 x 768 LCD, LED backlight, 1500 Nits brightness
- ***Glass cover with anti-reflective coating***
- ***Mounting:*** Horizontal mounting to wall, cabinetry, or stand
- ***Power:*** Supply 100-240V AC, 50/60 Hz, single phase power
- ***Maximum 25W nominal at full brightness, 11W with screen off***
- ***IEC320 connector socket***
- ***Certifications:*** UL, CE, Canada UL
- ***UL 60950-1, 2nd Edition, 2014-10-14 CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10***
- ***Data and Network connections:*** Ethernet, RJ45 jack, 100Mb-1Gb auto switching
- ***DHCP enabled Internet connection, IPv4 or IPv6,***
- ***MAC Address:*** 00-13-74-10-0E-1B USB port, for service technician use only

Notes:

- *Fuse must be replaced by a trained service personnel with a Eaton BK/GMA-1.5-R fuse.*
- *Wall mount installation and electrical routing need to be performed by a qualified service personnel. For indoor use only*
    - Operating temperature: 50 – 95°F (10-35°C)
    - Humidity 5% to 90% noncondensing
- *Specifications and functions are subject to change without notice. See LEEDon.io for most recent documentation.*

Delivery:

If you elect to purchase the display unit/Hardware during the registration process, the unit is shipped 6 - 8 weeks after the payment process is completed. A tracking number will be provided for the delivery.

***CAUTION**: Contains an internal BIOS battery. There is a risk of explosion if the battery is replaced by an incorrect type. If the unit will not start properly due to a dead BIOS battery please return the unit to the factory for service.*

Register

Login to leedon.io to engage your LEED project with the LEED Dynamic Plaque platform. You can use the same credentials as LEED Online or usgbc.org. Begin by signing the program agreement, submitting payment (note that LEED Dynamic Plaque fees are based on an annual subscription) and scheduling an orientation call.

The LEED Dynamic Plaque platform includes access to the leedon.io software described in the "Your LEED Dynamic Plaque" section above, customer service, and recertification (learn more in the "Recertification" section). The LEED Dynamic Plaque hardware (also described in the "Your LEED Dynamic Plaque" section) is an optional but highly recommended purchase, as it showcases your commitment to building performance and engages occupants and visitors to take part in your building performance experience.

Orientation call

A LEED Dynamic Plaque team member will schedule an orientation call with you after the registration process is complete.

On the call, we will:

- Discuss data needs and input methods
- Discuss annual recertification
- Address any other questions you may have
- Schedule the delivery of the display unit

Confidentiality

The goal of this program is to share, communicate and improve building performance! You have the flexibility to determine how and when to share your project's performance score and related information.

- Your team will have secure access to leedon.io to input data, view certification history, and analyze performance.
- You can review your score on leedon.io before installing your optional hardware (display unit).
- If you do not want to share your project's performance information at any time, you can take the following steps to protect that information:

1. Review the policy on disclosure of LEED Dynamic Plaque project information by navigating to the FAQ on LEEDOn.io and selecting "How will you use the information I provide?" in the Data Section.
2. Update team member permissions in LEEDon.io, navigate to More > Account > Team Management.
    - Note for LEED-certified projects: When you first set up your project, all team members who had access to the project in LEED Online will have access to the project in LEEDOn.io. Please review team member access in LEEDon.io prior to entering data into the platform.
    - The LEED Dynamic Plaque program agreement signatory will be designated a project administrator, in addition to the project administrator designated on LEED Online. Only project administrators have the ability to manage the project team by adding, removing, or modifying team member permissions.
3. Lobby Survey
    - Before administering the Survey, navigate to Data Input > Setup > Survey > Show racetracks to survey takers.
        - » Selecting "Yes" will allow survey takers to see the certification timeline, LEED performance score and race tracks, and the race tracks for each individual category score (showing previous month and previous year score, and global and local averages) of this building. Illustrated in Image A and B below, survey takers may click on any icon on the left to see that screen. They will not have access to the Data Input or More sections.

IMAGE A

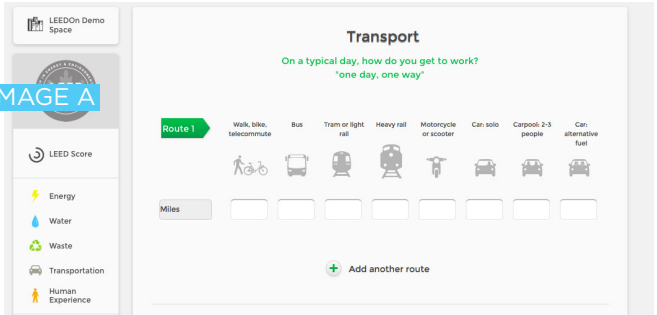
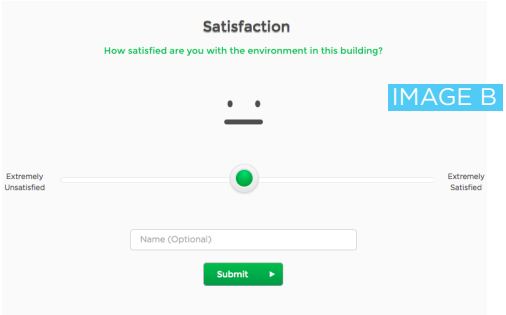


IMAGE B



» Selecting “No” will show only the survey page to survey takers. Illustrated in Image C and D below, survey takers will not see the menu on the left and they will not have access to the Data Input or More sections.

IMAGE C

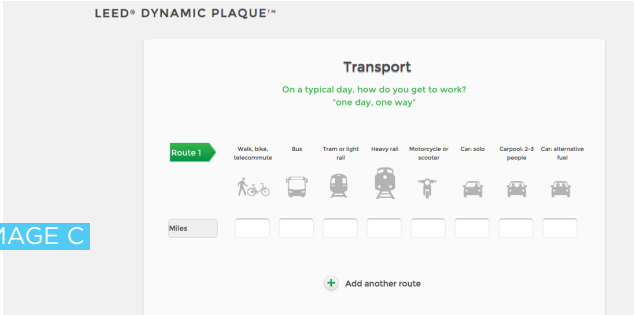
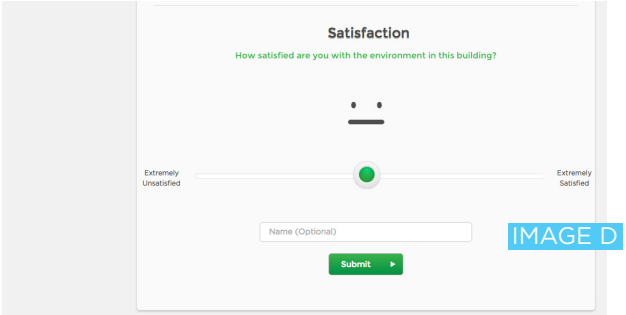
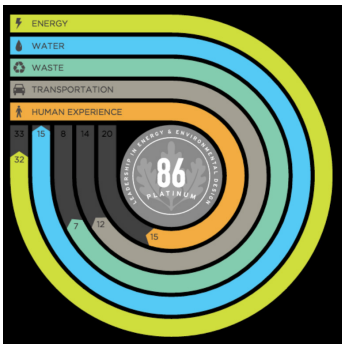


IMAGE D

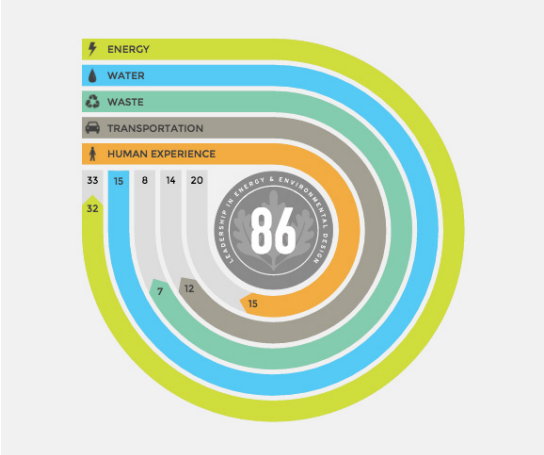


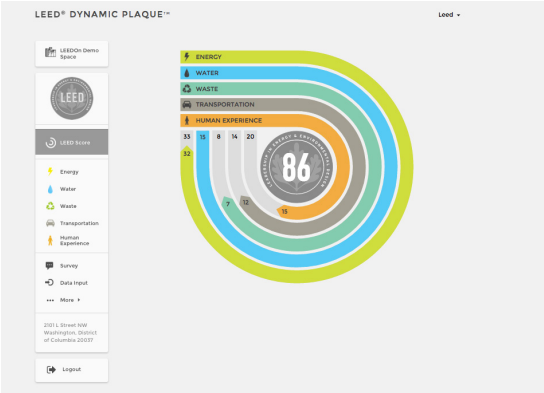


4. View Plaque

- Navigate to Data Input > Setup > Links > View LEED Dynamic Plaque and access Dashboard – “View Plaque”
- Clicking on the “View Plaque” button opens the plaque animation in a new browser window, with the unique URL in the address bar.
- Share the plaque animation URL carefully. Anyone who has access to the URL can re-share the URL.
- The plaque animation allows the viewer to drill down to the performance racetracks and individual category scores by clicking on the screen when the animation is running. To limit this feature:
- Before sharing the plaque animation, navigate to Data Input > Setup > Survey > Show racetracks to survey takers.

» Selecting ‘No,’ will hide the dashboard from anyone who is not a project team member If





they click on the animation, they will only see the score information illustrated to the right.

» Selecting 'Yes,' will make the dashboard visible to anyone, including non-project team members, who clicks on the animation. By clicking on the animation, they can see the certification timeline, LEED performance score and race tracks, and the race tracks for each individual category score (showing previous month and previous year score, and global and local averages) of this building. Project team members will see additional information depending on their access.

5. See the section in this manual on "Mobile Application" for instructions on how to hide your project's animation and score from the public view in the mobile app.

- Projects that hide their project from public view on the app also will not show up in the USGBC project directory or in GBIG.
- Project information will be available publicly through GBIG.

Data: How will you use the information I provide?

How are GBCI and USGBC utilizing your information? By subscribing to the LEED Dynamic Plaque, you are authorizing GBCI and USGBC to collect, retain, use and, in some cases, disclose certain information regarding you and your project. This policy is intended to explain the limited ways in which this information may be disclosed. Without exception, neither USGBC nor GBCI will ever share the individual data points used to generate the LEED Performance Score (e.g., kWh or individual survey responses) associated with your project, without your explicit written permission.

Project-Identifying Information: GBCI and USGBC may publish ONLY CERTAIN information about you and your project in various publicly accessible online directories. These directories may include the following information:

- Project name
- Project ID
- Physical address
- Date of registration
- Date of certification
- Certification level
- Total points earned during certification
- Project scorecard
- Alternative Compliance Path (ACP) selection
- Rating system and version
- Owner type
- Owner name
- Owner organization
- Gross square footage
- Total property area
- Project type, use, or setting (i.e., “urban”)
- LEED Performance Score (total and per category)
- LEED Performance Score over time
- Recertification level
- Date of recertification

Aggregated Data:

The development of LEED, the LEED Dynamic Plaque, and the general discourse regarding the topic of sustainability, depend on the collection and analysis of information representing many buildings and at varying points in the building life cycle. Both GBCI and USGBC may make internal use of any information that is submitted for these purposes. GBCI and USGBC may publish this information to third parties, including the general public, provided however, that such information will only be presented in aggregated, non-identifying form.

Unlisted Project information: GBCI and USGBC believe your work with LEED is something to be celebrated and openly communicated. However, it is understood that there are reasons why participants may wish to conceal their participation while still benefiting internally from the many tools and features available. If you render your project private after registration, GBCI and USGBC shall not be responsible for any information disclosed prior to such election. Please be aware that you are prohibited from displaying or disclosing the LEED

Performance Score (either alone or in conjunction with the LEED Performance Score animated logo), and/or any recertification awarded in conjunction with the LEED Dynamic Plaque while such project remains private. GBCI and/or USGBC may limit the availability of, and/or disable certain aspects of the subscription to prevent unauthorized displays and disclosures of this content.

Set Up

You'll set up and manage your project at leedon.io. The LEED Dynamic Plaque team at USGBC will be your primary point of contact for assistance (contact@leedon.io). If you'd like to grant additional team members access to your project on leedon.io, you can do so by clicking More> Account> Team Management, and adding them there.

Data Input

The "Data Input" section is your workspace for viewing and entering project data and reviewing survey results. Navigate to different sections (Setup, Energy, Water, Waste, Transportation, Human Experience) along the top of this page.

Setup

- ***Basics***
    - This section sources project information from LEED Online. This is information your project team provided during the project's initial LEED certification process.
    - You can update the following fields from leedon.io: year built, ZIP code.
- ***Building Setup***
    - This section includes gross floor area, typical operating hours and building occupancy. You can update this information from leedon.io.
    - Calculate the number of occupants as the *Regular building occupants + Adjusted daily average visitors*.
        - **Gross Floor Area:** Include the project's entire LEED boundary. for more information refer to this MPR
        - **Regular Building Occupants**
            - **Regular building occupants** are habitual users of a building. All of the following are considered regular building occupants.
            - **Employees** include part-time and full-time employees, and totals are calculated using full-time equivalency (FTE). A typical project can count FTE employees by adding full-time employees and part-time employees, adjusted for their hours of work. Equation 1. FTE employees = Full-time employees + (Σ daily part-time employee hours) / 8 For buildings with more unusual occupancy patterns, calculate the FTE building occupants based on a standard eight-hour occupancy period. Equation 2. FTE employees = (Σ all employee hours) / 8
            - **Staff** is synonymous with employees for the purpose of LEED calculations.
            - **Volunteers** who regularly use a building are synonymous with employees for the purpose of LEED calculations.
            - **Residents** of a project are considered regular building occupants. This includes residents of a dormitory. If actual resident count is not known, use a default equal to the

number of bedrooms in the dwelling unit plus one, multiplied by the number of such dwelling units.

- **Primary and secondary school students** are typically regular building occupants.
- **Hotel guests** are typically considered regular building occupants, with some category-specific exceptions. Calculate the number of overnight hotel guests based on the number and size of units in the project. Assume 1.5 occupants per guest room and multiply the resulting total by 60% (average hotel occupancy). Alternatively, the number of hotel guest occupants may be derived from actual or historical occupancy.
- **Inpatients** are medical, surgical, maternity, specialty, and intensive-care unit patients whose length of stay exceeds 23 hours. **Peak inpatients** are the highest number of inpatients at a given point in a typical 24-hour period.

- **Visitors**
  - **Visitors** (also "transients") intermittently use a LEED building. All of the following are considered visitors:
  - **Retail customers** are considered visitors.
  - **Outpatients** visit a hospital, clinic, or associated health care facility for diagnosis or treatment that lasts 23 hours or less.
  - **Peak outpatients** are the highest number of outpatients at a given point in a typical 24-hour period.
  - **Volunteers** who periodically use a building (e.g., once per week) are considered visitors.
  - **Higher-education students** are considered visitors to most buildings, except when they are residents of a dorm, in which case they are residents.
- **Daily averages** take into account all the occupants of a given type for a typical 24-hour day of operation. The visitor number should be weighed by duration- the average amount of time they spend in the space.
- **Examples:**
  - **Operating hours example:** A 150,000 sf office building open 60 hours/week contains a call center (7,000 sf) that operates 24/7 (168 hours). To calculate the building's operating hours take a weighted average of the hours: [60*(150,000-7,000) + (168 *7,000)] /150,000 = 65 hours/week
  - **Occupancy example:** A retail store is open for 80 hours/week (or 11.4 hours/day), is staffed with 40 full time employees, and has 1,250 visitors per day, each of which stays for 1 hour. The store has about 110 visitors per hour (1,250 visitors per day divided by daily store hours 11.4). The total building occupants is [40+ (1,250/11.4)] =150

- ***Links***
  - *View Plaque:* This link provides view-only access to the plaque animation and, depending on your settings, click-through access to a public-facing version of the dashboard.
  - *Download:* Access the user manual. (The very one you're reading!)
- ***Survey***
  - *Show racetrack to survey takers:* Selecting "Yes" will allow the survey takers to see the LEED score of the building. By selecting "No," only the survey page will be displayed. Refer to the illustrations in the Confidentiality Section.
  - *Email Survey:* This link opens a draft e-mail with a link to the transportation and human experience survey for distribution to building occupants. Jump forward to the "Track and Manage Performance" section for more information. Ensure you have a default email client setup.
  - *Lobby Survey:* We created this option for users to set up laptops or other devices in a common area for staff and other occupants to complete the transportation and human experience survey. Jump forward to the "Track and Manage Performance" section for more information.

Energy, Water, Waste, Transportation and Human Experience

Next, you'll upload historic performance data: 12 months of energy and water use data via our Excel template, or by sharing your project's account in Portfolio Manager or typing your data into leedon.io.

You'll also select how to add ongoing data for energy, water, waste, carbon dioxide levels (CO2), and total volatile organic compound levels (TVOCs) (i.e., integrating with a building automation system, sharing Portfolio Manager account, Excel template upload, or manually entering data). This will enable the platform to generate your LEED performance score on an ongoing basis as data is entered.

You have different options for providing your building's data:

- ***Option 1: Connect your building's existing smart meters and building automation systems***
  - Our team will discuss the feasibility of establishing a connection between your existing building monitoring assets and the LEED Dynamic Plaque. Email us at contact@leedon.io to discuss a data sharing solution.
- ***Option 2: Share your Portfolio Manager account***
  - This method is acceptable for both energy and water data.
  - Share your account in the Environmental Protection Agency (EPA) ENERGY STAR® Portfolio Manager tool with "USGBC - LEED Performance Reporting."
  - Include the LEED ID of the project under "Standard ID." This is a critical step in automating data exchange.
  - USGBC only pulls the raw consumption data from Portfolio Manager. Ensure that the

consumption data accurately represents the project's LEED boundary. Please note that meter dates cannot be overlapping.

  - Further explanation is available at energystar.gov.

- ***Option 3: Provide data in a spreadsheet***

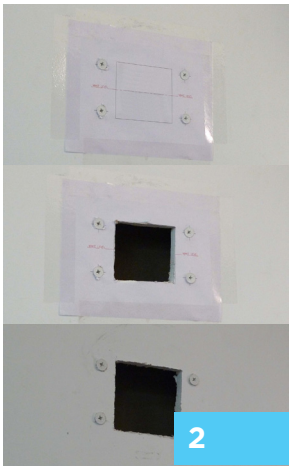
  - This method is available for energy, water, waste, CO2 and TVOC inputs.
  - Provide data for a single meter or multiple meters at one building.
  - Access the template from the leedon.io dashboard in the "Data Input" section.

- ***Option 4: Enter data manually***

Installation

1. ***Select an appropriate location to mount the LEED Dynamic Plaque.*** We recommend a clearly visible spot, about six feet from the ground, away from direct sunlight, indoors and accessible for servicing. See Safety Warnings and Precautions for more information.. The display unit's stainless steel mounting plate is intended to be installed over a Leviton 690 recessed double gang electrical box. Both rear panel AC power and the network connect as shown in the mounting instructions. The AC outlet should be switched with the switch placed in a readily accessible location. The stainless steel mounting plate should be attached to 1/2" minimum thickness sheetrock wall with the (4) supplied toggle bolts.


1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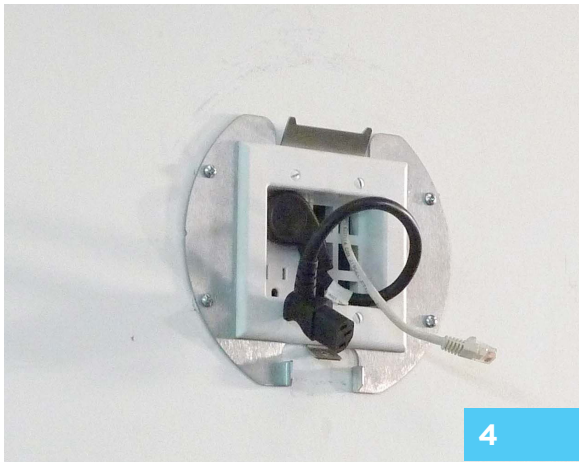
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6


7

2. ***Mount the template to the wall in the chosen location.*** Insert (4) toggle bolts in the indicated locations as indicated by the instructions. Cut out the inner rectangular pocket. Start smaller and trim as needed for the Leviton 690 to fit snugly. Remove the paper guide after complete.

3. ***Wire and mount the recessed outlet to the wall and mounting plate.*** Wire the AC power outlet and sandwich the steel mounting plate between the box and the faceplate using the (4) flathead screws and install it into the rectangular cutout. Mount the assembly to the wall using the (4) phillips head toggle bolt screws. Use provided hardware to ensure a proper installation.

4. ***Attach provided AC power cord as shown.*** Route the network cable through one of the low voltage positions. Be sure to use the top AC outlet to ensure proper clearance for the wiring to next correctly.

5. ***Plug AC power and network connection into the rear of the LEED Dynamic Plaque.*** Arrange wires as shown to ensure proper mounting. Attach Dynamic Plaque to the mounting bracket by hanging the upper mount first and then angling down to lay the Plaque flush with the wall.

6. ***Secure the LEED Dynamic Plaque to the mounting bracket.*** Use the provided screwdriver to secure the plaque to the bracket. This is accessible from underneath the LEED Dynamic Plaque, just behind the power switch.

7. ***Turn on the LEED Dynamic Plaque.*** It takes a few seconds for the setup to complete and begin displaying the LEED Dynamic Plaque animation.

USGBC/GBCI do not provide installation services. If you are purchasing a subscription through a reseller, the reseller organization may provide installation services. Please discuss with your reseller point of contact. For questions, support and servicing issues please email contact@leedon.io.

Daily Operation

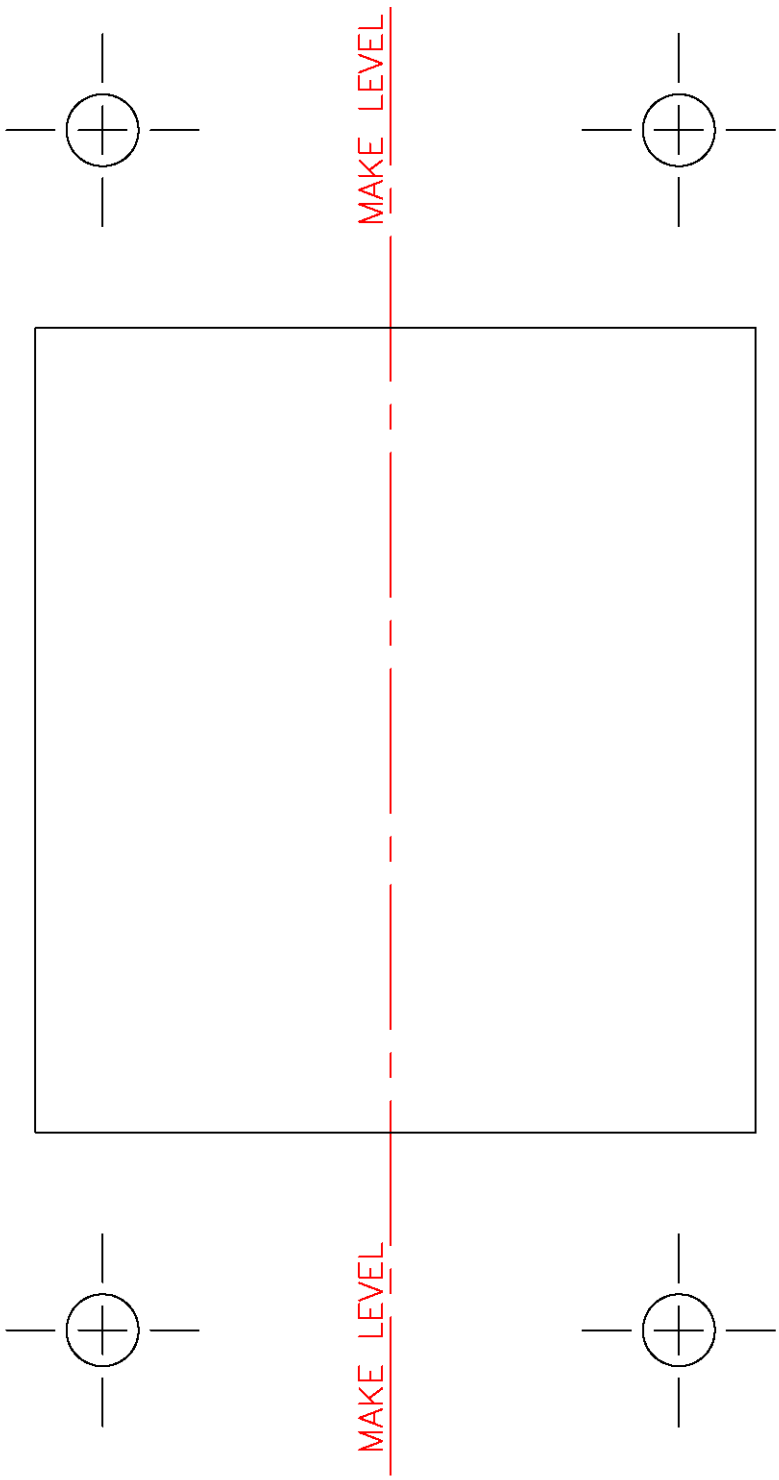
The score updates on the hardware as soon as adjustments are made on leedon.io. If data is inaccurate, email contact@leedon.io for assistance.

General Hardware Information

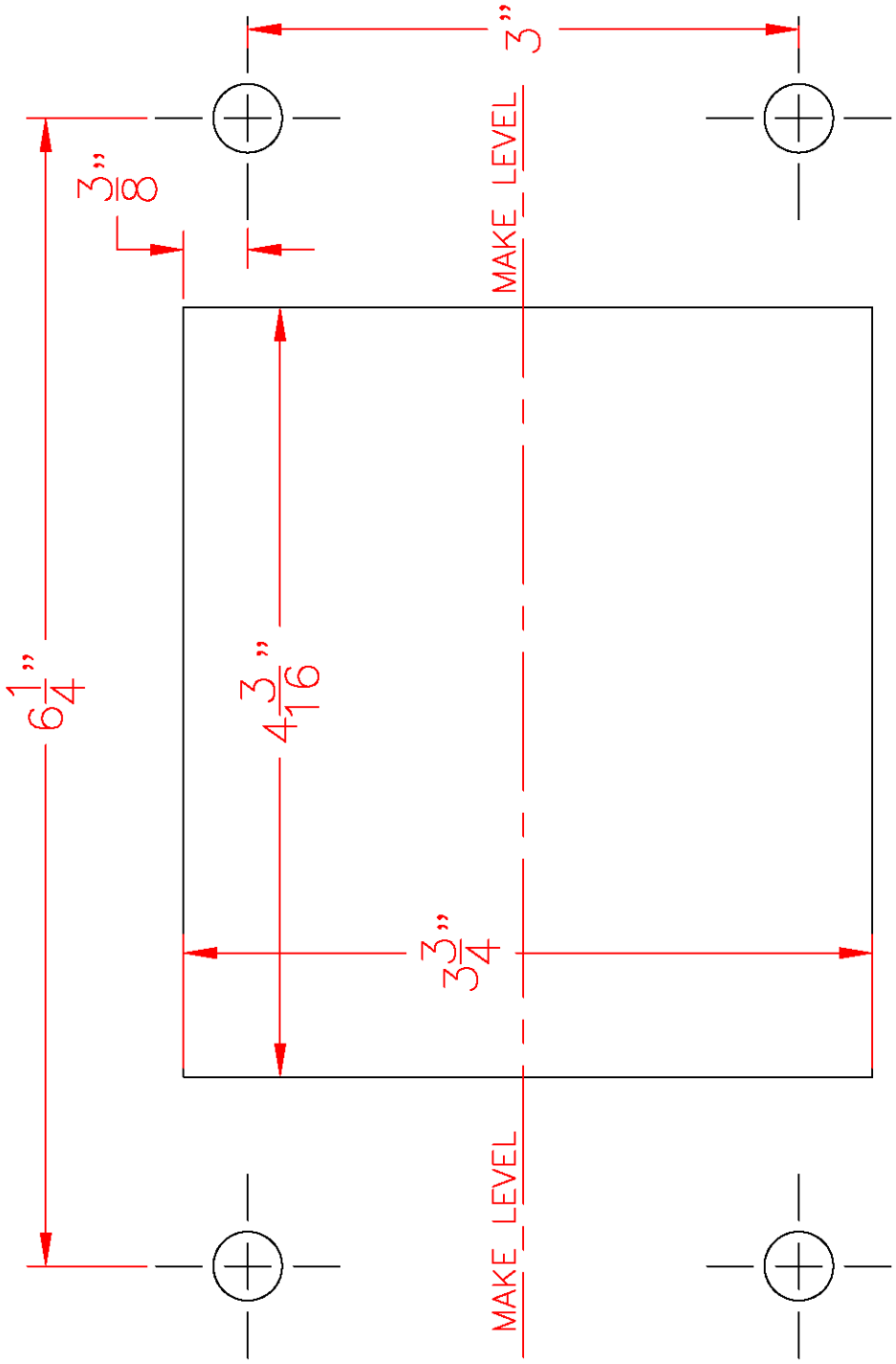
If the unit is malfunctioning or damages, email contact@leedon.io for troubleshooting, repairs and servicing.

Safety warnings and precautions

- Must be installed and operated according to the included instructions
- Unit must be grounded, and mounting plate must be grounded
- Must be installed by a qualified electrician
- Requires free air circulation, do not cover vent holes on covers
- Do not install in wet, high humidity, exposed locations
- Do not remove covers, no user serviceable parts inside
- Follow manual instructions for maintenance and servicing



Wall mounting template for Leed Dynamic Plaque. Scale = 1:1



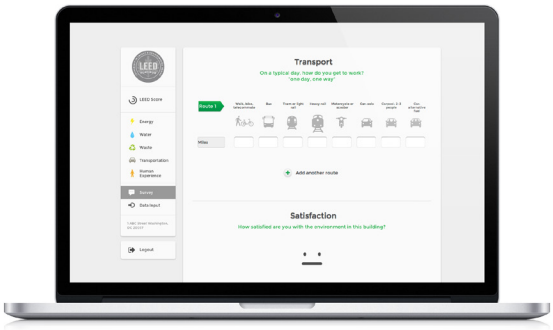
Wall mounting template for Leed Dynamic Plaque. Scale = 1:1

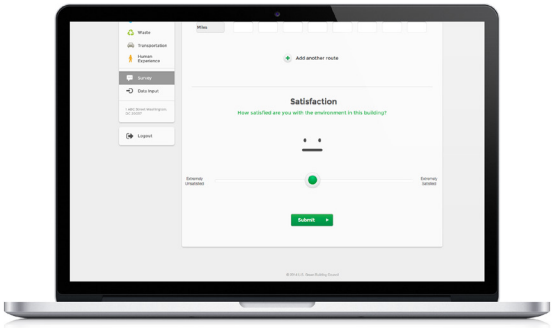
Track and Manage Performance

Your building'sLEED performance score is updated whenever new data enters the system. For an accurate and holistic, performance score, input data from the most recent twelve months, to each category.

Data Management

We recommend providing data more frequently than the minimum requirements described below to ensure the LEED performance score reflects the most up to date building data possible. Within the one-year performance period required to earn recertification, the minimum data requirements are as follows:





- ***Energy***
  - Provide 12 consecutive months of total energy use for the whole building.
    - For interior spaces (For example, projects certified under LEED for Commercial Interiors), provide 12 consecutive months of total energy use for the whole space, including contributions to the base building equipment.
  - Include all energy sources (electric, gas, steam, etc.).
- ***Water***
  - Provide 12 consecutive months of total potable water use for the whole building.
    - For projects certified under LEED for Commercial Interiors, provide 12 consecutive months of total potable water use for the whole space.
  - Include all end uses (irrigation, HVAC, rest rooms, pantry, cooling tower, fixtures, etc.)
    - For projects certified under LEED for Commercial Interiors, account for pro-rated water use from whole-building uses.
- ***Waste***
  - Conduct at least one waste analysis within a 12-month period to reflect the weight of waste generated and diverted for the whole building.
  - Alternative methods may work in lieu of a typical waste audit. If you have data from a waste management provider, email contact@leedon.io to discuss whether that data would be appropriate.

- Provide the quantities of waste (in weight) generated and diverted from landfills and incineration facilities.
- The Waste category score accounts for typical materials used in a building's operation. Account for safe disposal and diversion from landfills of ongoing consumables and durable goods including the five most purchased product categories based on total annual purchases:
    - Paper, toner cartridges, glass, plastics, cardboard and old corrugated cardboard, food waste, and metals
    - Lamps (indoor and outdoor, hard-wired and portable fixtures) and all mercury-containing lamps
    - Food
    - Office equipment, appliances, and audiovisual equipment
    - Electric powered equipment

- ***Human Experience***
    - Conduct at least one Indoor Air Quality (IAQ) evaluation for total volatile organic compounds (TVOC) and interior carbon dioxide (CO2) levels, per representative location of the building (25,000 SF) within a 12-month period. You can find more information about performing the test in the indoor air quality assessment credit in LEED v4 BD+C rating system and reference guide.
    - Provide TVOC data in micrograms per cubic meter (µg/m3) and CO2 data in parts per million (ppm). Provide this information in the template accessible in the "Data Input" section of leedon. io. Retain a narrative describing procedures, how locations were determined, dates, times, and results of each test. Include floor plan/s identifying locations for testing.
    - For TVOC, use protocols consistent with one of the following methods: EPA TO-1, EPA TO-15, EPA TO-17, EPA Compendium Method IP-1, and/or ISO 16000-6, or other approved method.
    - At this time, Photo-ionization detectors (PIDs) are an approved method (though the EPA and ISO methods mentioned above, which use gas chromatography and mass spectrometry, are preferred). If using a PID, take measurements as follows:
        - Conduct at least one sampling per representative location of the building (atleast every 25,000 SF or per floor,) within a 12-month period.
        - The test must occur during normal occupied hours, with the HVAC system starting at the normal start time and delivering outdoor air at the minimum rate.
        - Position the measurement equipment in the breathing zone, between 3 and 6 feet (900 and 1800 millimeters) above the floor.
        - Record measurements in µg/m3 for TVOC levels and ppm for CO2 levels. Include original readings and conversion factors, if readings were taken in other units (such as ppm). Conversion factors must be specific to the instrument used.
        - Conduct at least 3 measurements at each location, a minimum of 30 minutes apart. Ensure that the measuring device is recording stabilized readings at the time of recording.
        - Upload this information in the template accessible in the "Data Input" section of leedon. io.
        - Retain a narrative describing procedures, device used, spec sheet and calibration in-

formation, how locations were determined, dates, times, and results of each sampling. Include floor plan/s identifying locations for testing.

  - Administer at least one satisfaction survey, provided within the provided within leedon.io within 12 months. More information is available in the Survey section below.

- ***Transportation***

  - Administer at least one transportation survey, provided within leedon.io within 12 months. More information is available in the Survey section below.

Survey

The LEED Dynamic Plaque software includes a web-based survey tool that collects data from building occupants. You can view it in the "Survey" section of leedon.io. The transportation portion requires participants to share information about their commuting distance and mode of transit in order to calculate resulting carbon emissions – this data influences the transportation category score. The satisfaction portion asks respondents to indicate how satisfied they are with their experience in the building space – this data influences the human experience category score.

- Distribute the survey by visiting the "Data Input" section in leedon.io and scrolling down to "Surveys." Select "Email Survey" to automatically generate an email template including the survey link for distribution to your building occupants. You can edit the email language before sending the email. One computer can submit one survey response per day. An error message will appear if an occupant attempts to submit more than one response within the day.
- You may also conduct the survey via the "Lobby Survey" option by using the toggle button in the "Set Up" page under "Data Input." We created this option for users to set up a laptop or other device in a common area for staff and other occupants to complete the transportation and human experience survey. This option enables multiple people to complete the survey on a single device: The survey will be activated for 48 hours: you may re-activate to continue the service.
- The software requires a minimum survey response rate of 25% of the total building occupancy in order to update the LEED performance score. To achieve this, you can administer the survey as often as you choose. We recommend doing so at least seasonally, for valuable feedback.
- The survey responses auto populate to your project in the platform. Detailed responses are available in the Data Input section, on the Transportation and Human Experience sections.
- Only the project administrator or an authorized team member has access to the survey responses.
- The LEED performance score will account for all responses submitted within the performance period of 12 months.

Recertify

If your project was initially certified, your engagement with the LEED Dynamic Plaque enables you to recertify your project every 12 months, effectively and formally updating your LEED certification. The project team is anticipated to submit supporting documentation for the performance period, typically 12 months from the agreement date. We will work with you to identify an annual recertification date, and will reach out to you as your annual recertification date approaches to ensure the process is on track. Your certification information will appear on your project's certification timeline in your leedon.io dashboard, as well as within the USGBC project directory (unless you opt-out of this benefit) – a public acknowledgement of your commitment to ongoing building performance and LEED certification.

Your LEED Dynamic Plaque subscription includes all fees related to recertification.

Documentation

To prepare for your LEED recertification, you will provide documentation listed below. Ensure the supporting documentation provided is consistent and sufficient to verify the data input to the platform. During the orientation call, the team will discuss the process to share supporting documentation:

- ***Energy:*** Utility Bills from the most recent 12 months, for all fuels included for the project. Highlight consumption values and dates on the bills
- ***Water:*** Utility bills from the most recent 12 months, for all water consumption included for the project. Highlight consumption values and dates on the bills
- ***Waste:*** Hauler reports, audit reports, third party reports or bills verifying the data provided
- ***Human Experience:*** Sensor readings, audit reports, third party reports verifying the data provided. Retain the template uploaded to leedon.io and a narrative describing procedures, how locations were determined, dates, times, and results of each test. Include floor plan/s identifying locations for testing
- ***Surveys:*** No preliminary documentation needed

Submission and Review:

- Ahead of submitting your project for review, ensure data in all categories is accurately entered and there are no data gaps. Confirm the performance period is consistent across all Categories, i.e. data is provided within the same 12 month time period.
- GBCI will review the Performance score, data provided and supporting documentation.
- Do not edit data during the review period.
- GBCI will notify the project administrator when the review is complete or if a clarification is needed.

Resources

Data Input Template

If this is your preferred method of data entry, populate the spreadsheet with the required information to upload data. The template is accessible in the "Data Input" section of leedon.io. Please do not edit the format of the template. You can provide the following data points using the template:

- **Energy use**
- **Water use**
- **Waste**
- **Carbon dioxide levels**
- **Total volatile organic compound levels**

Branding Guidelines

Showcase your engagement with the LEED Dynamic Plaque with appropriate language and graphics. Access the branding guidelines.

Share your stories, email us at contact@leedon.io.

Checklist

The list provided below helps you assign specific tasks to other team members and track progress. Please review it carefully and use it as a guide to ensure your building is reporting the appropriate data.

Task	Team Member	Complete
ORIENTATION CALL		
Schedule call with USGBC team		
Confirm project access and contact information		
Provide team member information (name, contact info)		
Become familiar with supporting software and review User Manual		
Review options for data input		
Discuss review date		
Select a location to install the display unit (if applicable)		
BUILDING INFORMATION		
Ensure all information is correct on the Setup page of the Data Input section		
ENERGY Select applicable data source below		
Automated from a smart meter or building automation system		
Automated from shared account in ENERGY STAR Portfolio Manager		
Excel upload		
Manual Entry		
Other – Discuss with USGBC as soon as possible		
WATER (Select applicable data source below)		
Automated from smart meter		
Automated from shared account in ENERGY STAR Portfolio Manager		
Excel upload		
Manual Entry		
Other – Discuss with USGBC as soon as possible		

Checklist continued on next page

Task	Team Member	Complete
WASTE (Select applicable data source below)		
Data from ongoing tracking - Excel Upload		
Data from ongoing tracking - Manual Entry		
Data from Waste Audit - Manual Entry		
Other - Discuss with USGBC as soon as possible		
TRANSPORTATION		
Administer Transportation survey		
HUMAN EXPERIENCE		
Administer Human Experience survey		
HUMAN EXPERIENCE - Interior carbon dioxide levels Select applicable data source below		
Automated from sensor or building automation system		
Excel upload extracted from sensor reading		
Manual Entry from indoor air quality audit		
Other – Discuss with USGBC as soon as possible		
HUMAN EXPERIENCE - Interior Total Volatile Organic Compound levels Select applicable data source below		
Automated from sensor or building automation system		
Excel upload extracted from sensor reading		
Manual Entry from Indoor Air Quality Audit		
Other – Discuss with USGBC as soon as possible		

Checklist continued on next page

Task	Team Member	Complete
DATA ASSURANCE – Confirm data below is reporting correctly and on plaque animation		
Base		
Energy		
Water		
Waste		
Transportation		
Human experience		
Review data		
Review score		
Schedule follow up call with USGBC, if needed		
INSTALLATION		
Coordinate onsite installation		
Confirm data drop and power outlet access at selected location		
ANNUAL REVIEW		
Receive notice of review (3 months in advance)		
Provide supporting documentation		
Receive and confirm recertification		
Confirm recertification appears on timeline view		
Review USGBC policies to communicate certification and score		

End of checklist

Base Points

Below are lists of Base points by LEED rating system and version.

LEED v4: Operations and Maintenance - Existing Buildings (includes LEED India and LEED Canada)	
SS Site Development-Protect or Restore Habitat	(up to 2 points)
SS Rainwater Management	(up to 3 points)
SS Heat Island Reduction	(up to 2 points)
SS Light Pollution Reduction	(up to 1 point)
SS Site Improvement Plan	(up to 1 point)
SS Joint Use of Facilities - Schools Only	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
IEQ Integrated Pest Management	(up to 2 points)
IEQ Thermal Comfort	(up to 1 point)
IEQ Interior Lighting	(up to 2 points)
IEQ Daylight and Quality Views	(up to 4 points)

LEED v4: Operations and Maintenance Warehouses and Distribution Centers	
SS Site Development-Protect or Restore Habitat	(up to 2 points)
SS Rainwater Management	(up to 3 points)
SS Heat Island Reduction	(up to 2 points)
SS Light Pollution Reduction	(up to 1 point)
SS Site Improvement Plan	(up to 1 point)
SS Joint Use of Facilities - Schools Only	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
IEQ Integrated Pest Management	(up to 2 points)
IEQ Thermal Comfort	(up to 1 point)
IEQ Interior Lighting	(up to 2 points)
IEQ Daylight and Quality Views	(up to 4 points)

LEED v4: Operations and Maintenance Hospitality	
SS Site Development-Protect or Restore Habitat	(up to 2 points)
SS Rainwater Management	(up to 3 points)
SS Heat Island Reduction	(up to 2 points)
SS Light Pollution Reduction	(up to 1 point)
SS Site Improvement Plan	(up to 1 point)
SS Joint Use of Facilities - Schools Only	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
IEQ Integrated Pest Management	(up to 2 points)
IEQ Thermal Comfort	(up to 1 point)
IEQ Interior Lighting	(up to 2 points)
IEQ Daylight and Quality Views	(up to 4 points)

LEED v4: Operations and Maintenance Data Centers	
SS Site Development-Protect or Restore Habitat	(up to 2 points)
SS Rainwater Management	(up to 3 points)
SS Heat Island Reduction	(up to 2 points)
SS Light Pollution Reduction	(up to 1 point)
SS Site Improvement Plan	(up to 1 point)
SS Integrated Pest Management	(up to 2 points)
SS Joint Use of Facilities - Schools Only	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
IEQ Thermal Comfort	(up to 1 point)
IEQ Interior Lighting	(up to 2 points)
IEQ Daylight and Quality Views	(up to 4 points)

LEED v4: Operations and Maintenance Retail	
SS Site Development-Protect or Restore Habitat	(up to 2 points)
SS Rainwater Management	(up to 3 points)
SS Heat Island Reduction	(up to 2 points)
SS Light Pollution Reduction	(up to 1 point)
SS Site Improvement Plan	(up to 1 point)
SS Integrated Pest Management	(up to 2 points)
SS Joint Use of Facilities - Schools Only	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
IEQ Thermal Comfort	(up to 1 point)
IEQ Interior Lighting	(up to 2 points)
IEQ Daylight and Quality Views	(up to 4 points)

LEED v4: Operations and Maintenance Schools	
SS Site Development-Protect or Restore Habitat	(up to 2 points)
SS Rainwater Management	(up to 3 points)
SS Heat Island Reduction	(up to 2 points)
SS Light Pollution Reduction	(up to 1 point)
SS Site Improvement Plan	(up to 1 point)
SS Joint Use of Facilities - Schools Only	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
IEQ Integrated Pest Management	(up to 2 points)
IEQ Thermal Comfort	(up to 1 point)
IEQ Interior Lighting	(up to 2 points)
IEQ Daylight and Quality Views	(up to 4 points)

LEED v4: Building Design and Construction - New Construction	
SS Site Assessment	(up to 1 point)
SS Sensitive Land Protection	(up to 1 point)
SS High Priority Site	(up to 2 points)
SS Site Development—Protect or Restore Habitat	(up to 2 points)
SS Open Space	(up to 1 point)
SS Rainwater Management	(up to 3 points)
SS Heat Island Reduction	(up to 2 points)
SS Light Pollution Reduction	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
EQ Thermal Comfort	(up to 1 point)
EQ Interior Lighting	(up to 2 points)
EQ Daylight	(up to 3 points)
EQ Quality Views	(up to 1 point)

LEED v4: Building Design and Construction - Core and Shell	
SS Site Assessment	(up to 1 point)
SS Sensitive Land Protection	(up to 2 points)
SS High Priority Site	(up to 3 points)
SS Site Development—Protect or Restore Habitat	(up to 2 points)
SS Open Space	(up to 1 point)
SS Rainwater Management	(up to 3 points)
SS Heat Island Reduction	(up to 2 points)
SS Light Pollution Reduction	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
EQ Daylight	(up to 3 points)
EQ Quality Views	(up to 1 point)

LEED v4: Building Design and Construction - Warehouses and Distribution Centers	
SS Site Assessment	(up to 1 point)
SS Sensitive Land Protection	(up to 1 point)
SS High Priority Site	(up to 2 points)
SS Site Development—Protect or Restore Habitat	(up to 2 points)
SS Open Space	(up to 1 point)
SS Rainwater Management	(up to 3 points)
SS Heat Island Reduction	(up to 2 points)
SS Light Pollution Reduction	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
EQ Thermal Comfort	(up to 1 point)
EQ Interior Lighting	(up to 2 points)
EQ Daylight	(up to 3 points)
EQ Quality Views	(up to 1 point)

LEED v4: Building Design and Construction – Hospitality	
SS Site Assessment	(up to 1 point)
SS Sensitive Land Protection	(up to 1 point)
SS High Priority Site	(up to 2 points)
SS Site Development—Protect or Restore Habitat	(up to 2 points)
SS Open Space	(up to 1 point)
SS Rainwater Management	(up to 3 points)
SS Heat Island Reduction	(up to 2 points)
SS Light Pollution Reduction	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
EQ Thermal Comfort	(up to 1 point)
EQ Interior Lighting	(up to 2 points)
EQ Daylight	(up to 3 points)
EQ Quality Views	(up to 1 point)

LEED v4: Building Design and Construction - Data Centers	
SS Site Assessment	(up to 1 point)
SS Sensitive Land Protection	(up to 1 point)
SS High Priority Site	(up to 2 points)
SS Site Development—Protect or Restore Habitat	(up to 2 points)
SS Open Space	(up to 1 point)
SS Rainwater Management	(up to 3 points)
SS Heat Island Reduction	(up to 2 points)
SS Light Pollution Reduction	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
EQ Thermal Comfort	(up to 1 point)
EQ Interior Lighting	(up to 2 points)
EQ Daylight	(up to 3 points)
EQ Quality Views	(up to 1 point)

LEED v4: Building Design and Construction – Healthcare	
SS Site Assessment	(up to 1 point)
SS Sensitive Land Protection	(up to 1 point)
SS High Priority Site	(up to 2 points)
SS Site Development—Protect or Restore Habitat	(up to 2 points)
SS Open Space	(up to 1 point)
SS Rainwater Management	(up to 2 points)
SS Heat Island Reduction	(up to 1 point)
SS Light Pollution Reduction	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
EQ Thermal Comfort	(up to 1 point)
EQ Interior Lighting	(up to 1 point)

EQ Interior Lighting	(up to 2 points)
EQ Quality Views	(up to 2 points)
LEED v4: Building Design and Construction – Retail	
SS Site Assessment	(up to 1 point)
SS Sensitive Land Protection	(up to 1 point)
SS High Priority Site	(up to 2 points)
SS Site Development—Protect or Restore Habitat	(up to 2 points)
SS Open Space	(up to 1 point)
SS Rainwater Management	(up to 3 points)
SS Heat Island Reduction	(up to 2 points)
SS Light Pollution Reduction	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
EQ Thermal Comfort	(up to 1 point)
EQ Interior Lighting	(up to 2 points)
EQ Daylight	(up to 3 points)
EQ Quality Views	(up to 1 point)
LEED v4: Building Design and Construction – Schools	
SS Site Assessment	(up to 1 point)
SS Sensitive Land Protection	(up to 1 point)
SS High Priority Site	(up to 2 points)
SS Site Development—Protect or Restore Habitat	(up to 2 points)
SS Open Space	(up to 1 point)
SS Rainwater Management	(up to 3 points)
SS Heat Island Reduction	(up to 2 points)
SS Light Pollution Reduction	(up to 1 point)
EA Enhanced Refrigerant Management	(up to 1 point)
EQ Thermal Comfort	(up to 1 point)
EQ Interior Lighting	(up to 2 points)
EQ Daylight	(up to 3 points)
EQ Quality Views	(up to 1 point)
LEED v4: Interior Design and Construction	
EA Enhanced Refrigerant Management	(up to 1 point)
EQ Thermal Comfort	(up to 1 point)
EQ Interior Lighting	(up to 2 points)
EQ Daylight	(up to 3 points)
EQ Quality Views	(up to 1 point)

LEED v4: Interior Design and Construction - Hospitality	
EA Enhanced Refrigerant Management	(up to 1 point)
EQ Thermal Comfort	(up to 1 point)
EQ Interior Lighting	(up to 2 points)
EQ Daylight	(up to 3 points)
EQ Quality Views	(up to 1 point)

LEED v4: Interior Design and Construction - Retail	
EA Enhanced Refrigerant Management	(up to 1 point)
EQ Thermal Comfort	(up to 1 point)
EQ Interior Lighting	(up to 2 points)
EQ Daylight	(up to 3 points)
EQ Quality Views	(up to 1 point)

LEED 2009: LEED for Existing Buildings: Operations and Maintenance (includes LEED Canada)	
SSc2 Building Exterior and Hardscape Management Plan	(1 point)
SSc3 Integrated Pest Management, Erosion Control, and Landscape Management Plan	(1 point)
SSc5 Site Development—Protect or Restore Open Habitat	(1 point)
SSc6 Stormwater Quantity Control	(1 point)
SSc7.1 Heat Island Reduction—Non-Roof	(1 point)
SSc7.2 Heat Island Reduction—Roof	(1 point)
SSc8 Light Pollution Reduction	(1 point)
EAc5 Enhanced Refrigerant Management	(1 point)
EQ3.6 Green Cleaning—Indoor Integrated Pest Management	(1 point)
IEQc2.2 Controllability of Systems—Lighting	(1 point)
IEQc2.3 Occupant Comfort—Thermal Comfort Monitoring	(1 point)
IEQ c2.4 Daylight and Views	(1 point)

LEED 2009: LEED for New Construction and Major Renovations (includes LEED Canada and LEED India)	
SSc1 Site Selection	(1 point)
SSc3 Brownfield Redevelopment	(1 point)
SSc5.1 Site Development—Protect or Restore Habitat	(1 point)
SSc5.2 Site Development—Maximize Open Space	(1 point)
SSc6.1 Stormwater Design—Quantity Control	(1 point)
SSc6.2 Stormwater Design—Quality Control	(1 point)
SSc7.1 Heat Island Effect—Non-roof	(1 point)
SSc7.2 Heat Island Effect—Roof	(1 point)
SSc8 Light Pollution Reduction	(1 point)
EAc4 Enhanced Refrigerant Management	(up to 2 points)
EQc6.1 Controllability of Systems—Lighting	(1 point)
EQc6.2 Controllability of Systems—Thermal Comfort	(1 point)

EQc7.2 Thermal Comfort—Verification	(1 point)
EQc8.1 Daylight and Views—Daylight	(1 point)
EQc8.2 Daylight and Views—Views	(1 point)
LEED 2009: LEED for New Construction and Major Renovations – Healthcare	
SSc1 Site Selection	(1 point)
SSc3 Brownfield Redevelopment	(1 point)
SSc5.1 Site Development—Protect or Restore Habitat	(1 point)
SSc5.2 Site Development—Maximize Open Space	(1 point)
SSc6.1 Stormwater Design—Quantity Control	(1 point)
SSc6.2 Stormwater Design—Quality Control	(1 point)
SSc7.1 Heat Island Effect—Non-roof	(1 point)
SSc7.2 Heat Island Effect—Roof	(1 point)
SSc8 Light Pollution Reduction	(1 point)
EAc4 Enhanced Refrigerant Management	(up to 2 points)
EQc6.1 Controllability of Systems—Lighting	(1 point)
EQc6.2 Controllability of Systems—Thermal Comfort	(1 point)
EQc7.2 Thermal Comfort—Verification	(1 point)
EQc8.1 Daylight and Views—Daylight	(2 points)
EQc8.2 Daylight and Views—Views	(3 points)
LEED 2009: LEED for New Construction and Major Renovations – Retail	
SSc1 Site Selection	(1 point)
SSc3 Brownfield Redevelopment	(1 point)
SSc5.1 Site Development—Protect or Restore Habitat	(1 point)
SSc5.2 Site Development—Maximize Open Space	(1 point)
SSc6.1 Stormwater Design—Quantity Control	(1 point)
SSc6.2 Stormwater Design—Quality Control	(1 point)
SSc7.1 Heat Island Effect—Non-roof	(1 point)
SSc7.2 Heat Island Effect—Roof	(1 point)
SSc8 Light Pollution Reduction	(2 points)
EAc4 Enhanced Refrigerant Management	(up to 2 points)
EQc6 Controllability of Systems—Lighting and Thermal Comfort	(1 point)
EQc7.1 Thermal Comfort—Design	(1 point)
EQc7.2 Thermal Comfort—Verification	(1 point)
EQc8.1 Daylight and Views—Daylight	(1 point)
EQc8.2 Daylight and Views—Views	(1 point)

LEED 2009: LEED for New Construction and Major Renovations – Schools	
SSc1 Site Selection	(4 points)
SSc3 Brownfield Redevelopment	(1 point)
SSc5.1 Site Development—Protect or Restore Habitat	(1 point)
SSc5.2 Site Development—Maximize Open Space	(1 point)
SSc6.1 Stormwater Design—Quantity Control	(1 point)
SSc6.2 Stormwater Design—Quality Control	(1 point)
SSc7.1 Heat Island Effect—Non-roof	(1 point)
SSc8 Light Pollution Reduction	(1 point)
SSc8 Light Pollution Reduction	(1 point)
EAc4 Enhanced Refrigerant Management	(up to 2 points)
EQc6.1 Controllability of Systems—Lighting	(1 point)
EQc6.2 Controllability of Systems—Thermal Comfort	(1 point)
EQc7.2 Thermal Comfort—Verification	(1 point)
EQc8.1 Daylight and Views—Daylight	(3 points)
EQc8.2 Daylight and Views—Views	(1 point)

LEED 2009: LEED for Core and Shell (includes LEED Canada and LEED India)	
SSc1 Site Selection	(1 point)
SSc3 Brownfield Redevelopment	(1 point)
SSc5.1 Site Development—Protect or Restore Habitat	(1 point)
SSc5.2 Site Development—Maximize Open Space	(1 point)
SSc6.1 Stormwater Design—Quantity Control	(1 point)
SSc6.2 Stormwater Design—Quality Control	(1 point)
SSc7.1 Heat Island Effect—Non-roof	(1 point)
SSc7.2 Heat Island Effect—Roof	(1 point)
SSc8 Light Pollution Reduction	(1 point)
EAc4 Enhanced Refrigerant Management	(up to 2 points)
EQc6 Controllability of Systems—Thermal Comfort	(1 point)
EQc8.1 Daylight and Views—Daylight	(1 point)
EQc8.2 Daylight and Views—Views	(1 point)

LEED 2009: LEED for Commercial Interiors	
SSc1 Option 1: Select a LEED Certified Building	(up to 5 points)
SSc1 Path 1: Brownfield Redevelopment	(1 point)
SSc1 Path 2: Stormwater Design—Quantity Control	(1 point)
SSc1 Path 3: Stormwater Design—Quality Control	(1 point)
SSc1 Path 4: Heat Island Effect—Nonroof	(1 point)
SSc1 Path 5: Heat-Island Effect—Roof	(1 point)
SSc1 Path 6: Light Pollution Reduction	(1 point)
EQ6.1 Controllability of Systems—Lighting	(1 point)
EQc6.2 Controllability of Systems—Thermal Comfort	(1 point)

EQc8.1 Daylight and Views—Daylight	(up to 2 points)
EQc8.2 Daylight and Views—Views for Seated Spaces	(1 point)
LEED 2009: LEED for Commercial Interiors – Retail	
SSc1 Option 1: Select a LEED Certified Building	(up to 5 points)
SSc1 Path 1: Brownfield Redevelopment	(1 point)
SSc1 Path 2: Stormwater Design—Quantity Control	(1 point)
SSc1 Path 3: Stormwater Design—Quality Control	(1 point)
SSc1 Path 4: Heat Island Effect—Nonroof	(1 point)
SSc1 Path 5: Heat-Island Effect—Roof	(1 point)
SSc1 Path 6: Light Pollution Reduction	(1 point)
EAc6 Controllability of Systems—Lighting and Thermal Comfort	(1 point)
EQc7.1 Thermal Comfort –Design	(1 point)
EQc8.1 Daylight and Views—Daylight	(up to 2 points)
EQc8.2 Daylight and Views—Views for Seated Spaces	(1 point)
LEED 2008: LEED for Existing Buildings: Operations and Maintenance	
SSc2 Building Exterior and Hardscape Management Plan	(1 point)
SSc3 Integrated Pest Management, Erosion Control, and Landscape Management Plan	(1 point)
SSc5 Site Development—Protect or Restore Open Habitat	(1 point)
SSc6 Stormwater Management	(1 point)
SSc7.1 Heat Island Reduction—Non-Roof	(1 point)
SSc7.2 Heat Island Reduction—Roof	(1 point)
SSc8 Light Pollution Reduction	(1 point)
EAc5 Refrigerant Management	(1 point)
EAc3.9 Green Cleaning—Indoor Integrated Pest Management	(1 point)
IEQc2.2 Occupant Comfort - Occupant Controlled Lighting	(1 point)
IEQc2.3 Occupant Comfort - Thermal Comfort Monitoring	(1 point)
IEQ c2.4 Occupant Comfort - Daylight and Views, 50% Daylight / 45% Views	(1 point)
IEQ c2.5 Occupant Comfort - Daylight and Views, 75% Daylight / 90% Views	(1 point)
LEED v2.2: LEED for New Construction and Major Renovations	
SSc5.1 Site Development, Protect or Restore Habitat	(1 point)
SSc5.2 Site Development, Maximize Open Space	(1 point)
SSc6.1 Stormwater Design, Quantity Control	(1 point)
SSc7.1 Heat Island Effect, Non-Roof	(1 point)
SSc7.2 Heat Island Effect, Roof	(1 point)
SSc8 Light Pollution Reduction	(1 point)
EAc4 Enhanced Refrigerant Management	(1 point)
EQc6.1 Controllability of Systems, Lighting	(1 point)
EQc6.2 Controllability of Systems, Thermal Comfort	(1 point)

EQc8.1 Daylight & Views, Daylight 75% of Spaces	(1 point)
EQc8.2 Daylight & Views, Views for 90% of Spaces	(1 point)
LEED v2.1: LEED for New Construction and Major Renovations	
SSc1 Site Selection	(1 point)
SSc3 Brownfield Redevelopment	(1 point)
SSc5.1 Reduced Site Disturbance, Protect or Restore Open Space	(1 point)
SSc5.2 Reduced Site Disturbance, Development Footprint	(1 point)
SSc6.1 Stormwater Management, Rate and Quantity	(1 point)
SSc6.2 Stormwater Management, Treatment	(1 point)
SSc7.1 Landscape & Exterior Design to Reduce Heat Islands, Non-Roof	(1 point)
SSc7.2 Landscape & Exterior Design to Reduce Heat Islands, Roof	(1 point)
SSc8 Light Pollution Reduction	(1 point)
EAc4 Ozone Depletion	(1 point)
EQc6.1 Controllability of Systems, Perimeter	(1 point)
EQc6.2 Controllability of Systems, Non-Perimeter	(1 point)
EQc7.2 Thermal Comfort, Permanent Monitoring System	(1 point)
EQc8.1 Daylight & Views, Daylight 75% of Spaces	(1 point)
EQc8.2 Daylight & Views, Views for 90% of Spaces	(1 point)
LEED v2.0: LEED for Existing Buildings: Operations and Maintenance	
SSc1.1 Plan for Green Site & Building Exterior Management - 4 specific actions	(1 point)
SSc1.2 Plan for Green Site & Building Exterior Management - 8 specific actions	(1 point)
SSc4.1 Reduced Site Disturbance - Protect or Restore Open Space (50% of site area)	(1 point)
SSc4.2 Reduced Site Disturbance - Protect or Restore Open Space (75% of site area)	(1 point)
SSc5.1 Stormwater Management - 25% Rate and Quantity Reduction	(1 point)
SSc5.2 Stormwater Management - 50% Rate and Quantity Reduction	(1 point)
SSc6.1 Heat Island Reduction - Non-Roof	(1 point)
SSc6.2 Heat Island Reduction – Roof	(1 point)
SSc7 Light Pollution Reduction	(1 point)
EAc4 Additional Ozone Protection	(1 point)
EQc10.4 Green Cleaning - Low Environmental Impact Pest Management Policy	(1 point)
EQc10.5 Green Cleaning - Low Environmental Impact Pest Management Policy	(1 point)
EQc6.1 Controllability of Systems – Lighting	(1 point)
EQc6.2 Controllability of Systems - Temperature & Ventilation	(1 point)
EQc8.1 Daylight & Views - Daylight for 50% of Spaces	(1 point)
EQc8.2 Daylight & Views - Daylight for 75% of Spaces	(1 point)
EQc8.3 Daylight & Views - Views for 45% of Spaces	(1 point)
EQc8.4 Daylight & Views - Views for 90% of Spaces	(1 point)

LEED v2.0: LEED for New Construction and Major Renovations	
SSc1 Site Selection	(1 point)
SSc3 Brownfield Redevelopment	(1 point)
SSc5.1 Reduced Site Disturbance, Protect or Restore Open Space	(1 point)
SSc5.2 Reduced Site Disturbance, Development Footprint	(1 point)
SSc6.1 Stormwater Management, Rate and Quantity	(1 point)
SSc6.2 Stormwater Management, Treatment	(1 point)
SSc7.1 Landscape & Exterior Design to Reduce Heat Islands, Non-Roof	(1 point)
SSc7.2 Landscape & Exterior Design to Reduce Heat Islands, Roof	(1 point)
SSc8 Light Pollution Reduction	(1 point)
EAc4 Ozone Depletion	(1 point)
EQc6.1 Controllability of Systems, Perimeter	(1 point)
EQc6.2 Controllability of Systems, Non-Perimeter	(1 point)
Qc7.2 Thermal Comfort, Permanent Monitoring System	(1 point)
EQc8.1 Daylight & Views, Daylight 75% of Spaces	(1 point)
EQc8.2 Daylight & Views, Views for 90% of Spaces	(1 point)

LEED v2.0: LEED for Core and Shell	
SSc5.1 Site Development: Protect of Restore Habitat	(1 point)
SSc5.2 Site Development: Maximize Open Space	(1 point)
SSc6.1 Stormwater Design: Quantity Control	(1 point)
SSc7.1 Heat Island Effect, Non-Roof	(1 point)
SSc7.2 Heat Island Effect, Roof	(1 point)
SSc8 Light Pollution Reduction	(1 point)
EAc4 Enhanced Refrigerant Management	(1 point)
EQc6 Controllability of Systems: Thermal Comfort	(1 point)
EQc8.1 Daylight & Views: Daylight 75% of Spaces	(1 point)
EQc8.2 Daylight & Views, Views for 90% of Spaces	(1 point)

LEED v2.0: LEED for Commercial Interiors (includes LEED Canada)	
SSc1 Select a LEED Certified Building	(up to 3 points)
SSo1B Stormwater Management: Rate and Quantity	(0.5 points)
SSo1C Stormwater Management: Treatment	(0.5 points)
SSo1D Heat Island Reduction: Non-Roof	(1 point)
SSo1E Heat-Island Reduction: Roof	(0.5 points)
SSo1F Light Pollution Reduction	(0.5 points)
EQc6.1 Controllability of Systems, Lighting	(1 point)
EQc6.2 Controllability of Systems, Temperature and Ventilation	(1 point)
EQc8.1 Daylight & Views - Daylight 75% of Spaces	(1 point)
EQc8.2 Daylight & Views, Views for 90% of Spaces	(1 point)
EQc8.3 Daylight & Views - Views for 90% of Seated Spaces	(1 point)

The LEED® Dynamic Plaque™