

WESTBURY

LEED FOR HOMES



This project is registered under the LEED® green building program.

WESTBURY

Spa-inspired bathrooms for ultimate luxury and relaxation.



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LEED FEATURES

- Westbury has been designed to meet LEED (Leadership in Energy and Environmental Design) for Homes (Canada program). LEED is a world-wide rating system for green building and is the international mark of excellence that promotes sustainability for buildings in their design, construction and operation.
- Westbury has incorporated many sustainable strategies into project's design and construction to achieve LEED for Homes (Gold) certification.
- The following items will have direct comfort and convenience benefits to Westbury's occupants:
 - o Spacious Bike Storage Facilities
 - o ChargePoint Level 2 - EV Charging Stations for Each Home
 - o Conveniently Accessible to Public Transit
 - o Extensive Green Roof and Landscaping
 - o High Efficiency Irrigation System - Irrigation Timer, Shut-off Valve, Drip Irrigation, Separate Zones, Pressure Regulating Devices to Maintain Optimal Pressure
 - o Air Gasket Seals Around Openings to Prevent Air Leakage
 - o High Efficiency ENERGY STAR Refrigerator, Dishwasher, Clothes Washer & Dryer
 - o Energy Efficient LED Lighting Throughout
 - o High Efficiency Plumbing Fixtures and Fittings
 - o Framing Order Waste Factor Limit - Overall Waste Factor Limit to Not Exceed 10%
 - o Environmentally Preferable Wood Framing Products, No Tropical Wood Installed, FSC Certified Wood Products
 - o Preferred Use of Low Emitting Materials Emissions Adhesives, Sealants, Paints, Coatings, Primers, etc.
 - o Exhaust Fans With Timers
 - o Erosion Controls During Construction - Stockpile Protect Top Soil, Control Path Runoff, Protect Sewer Inlets, Diversion of Surface Water, Use of Erosion Blankets
 - o Extensive Construction Waste Management System - Including Tracking, Monitoring, and Sorting Waste - 75% Recycled
 - o Residential Refrigerant Management Including Refrigerant Charge Testing
 - o Nontoxic Pest Control Alternatives - All Wood at Least 300mm Above Soil, Seal Cracks, Joints, Penetrations, Edges, and Entry Points with Caulking
 - o Sustainable Development - Infill Property

WHY GREEN HOMES?

- Homes have a very significant environmental impact. According to the U.S. Department of Energy, all homes in the U.S. account for:
 - o 22% of the total energy consumed; and
 - o 21% of carbon dioxide emissions.
- Also, certain indoor air pollutants can often be four to five times higher than outdoor levels. Construction and demolition waste (including both residential and commercial buildings) represents 40% of the solid waste in the U.S. Homes also have a significant impact on the amount of water consumed, on the amount of chemicals (e.g., fertilizer, pest control chemicals) that can damage nearby water bodies, and other consequences.
- Shifting towards the design and construction of more sustainable homes can have enormous benefits for the environment, as well as for the occupants.

WHAT IS LEED FOR HOMES?

- LEED for Homes is a voluntary rating system administered by the U.S. Green Building Council (USGBC). USGBC is a non-profit organization that promotes the design and construction of high performance green buildings. To be certified under the LEED for Homes program, a home must:
 - ❖ Include several required green measures (e.g., achieve energy efficiency at least 15% better than conventional homes), and
 - ❖ Include many additional green measures. These are chosen by the builder from a variety of optional measures ("credits") to earn points. A project must earn a minimum number of points to achieve certification.
 - ❖ The program includes several additional requirements as well, such as verification by a LEED for Homes Green Rater. The LEED for Homes Green Rater is not associated with the project team and he or she has training in verifying green homes. In the verification process, the LEED for Homes Green Rater confirms that:
 - All of the required green measures are installed in the home and
 - The performance level of the home meets the program requirements.

- For more information on the LEED for Homes program, go to:
www.usgbc.org/LEED/homes