

CASE STUDY: Pavilia Park Townhouses

Project Name: PAVILIA PARK paviliapark.com
Developer: Times Group Corp. timesgroupcorp.com
Builder: Life Construction lifeconstruction.ca
Location: Thornhill, Ontario
Construction Type: Residential
Project Size: 134 townhome units



PROJECT SCOPE:

Canada Energy Audit (CEA) was retained and brought onboard to deliver the SB-12 Performance package for Pavilia Park's 134 townhomes units. CEA was to review and to ensure the proposed designs of the units are in compliance with SB-12 Performance Method as the units did not qualify under SB-12 Perspective Method due to not having the DWHR units installed which is a mandatory requirement for all SB-12 perspective packages.

The work rendered by CEA entailed of:

- The completion of City's EEDS Performance Based Design forms,
- The analysis and completion of Energy Simulation Modeling and Reporting via HOT2000 (compliant software) by a certified Energy Advisor on constructing the Reference vs. Proposed designs, and
- Certification and sign-off by a licensed professional engineer of all forms and reports.

ESTIMATED COST SAVINGS DELIVERED:

- (a) Estimated cost of installation of DWHR per unit: **\$1,500**
- (b) Total cost for 134 units: $134 \times \$1,500 =$ **\$201,000**
- (c) CEA cost for delivering SB-12 Performance for the Project: **\$15,400**
- (d) Total savings delivered by CEA (b - c): **\$185,600**

