

# National Design Competition

## Extension of a Home to Nearly Zero Energy Building standard

Are you a homeowner thinking of extending your home or are you a designer working on an extension of an existing home? 'SustainableTipp' invites you to enter an exciting competition for the best design for the extension of a home to Nearly Zero Energy Building (NZEB) standard. The whole dwelling and the extension must be to NZEB Part L performance requirements. Judging will be on the plans and details submitted and the winner will be announced in Autumn 2020.

**€3,000 Prize Fund!**

Entries are now open [www.sustainabletipp.ie](http://www.sustainabletipp.ie)

### Entry Requirements

1. The entry form should be completed and submitted online at [www.sustainabletipp.ie](http://www.sustainabletipp.ie), click on 'NZEB Design Competition'.
2. Details of the winning entries shall be made available for press release/photo shoots/promotional material etc by 'SustainableTipp'.
3. Written consent of the property owner to enter this competition must be obtained.
4. Confirmation of planning status is required - Planning Permission Reference Number and copy of Order, or Section 5 Exemption Certificate Reference Number and copy of Order, whichever is applicable.
5. Drawings and specifications must be submitted in support of the application for both the main dwelling and extension including:
  - i. A written description of the design concept for the entire project, its functionality, relationship with the main house and overall approach to innovation and sustainability.
  - ii. Plans and drawings to include site layout plan, floor layouts, sections and elevations to an appropriate scale.
  - iii. A schedule of Building Fabric Specifications including: materials, types and products for the following; Construction (floors, wall, roof, window & doors), Ventilation & Heating System.
  - iv. Description of renewable energy technologies to be incorporated and expected output.
  - v. A Dwelling Energy Assessment Procedure (DEAP) report that verifies compliance with Part L of the Building Regulations, Energy Performance Coefficient and Carbon Performance Coefficient with respect to Part L renewable energy contribution.
  - vi. DEAP SEAI Heat Pump Tool sheet (if relevant).
  - vii. Details and specifications on how the designer plans to achieve air-tightness results of 3m<sup>3</sup>/hr/m<sup>2</sup>.



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### Judgment Parameters

The judges will assess the entire dwelling including the extension, in terms of:

1. Overall design concept including - functionality and living quality, relationship with main house, approach to innovation and overall sustainability of the home **(40%)**.
2. Demonstration of the extent to which the designers/contractors have up-skilled in principles of NZEB design and construction **(10%)**.
3. Lowest Carbon Performance Coefficient **(20%)**.
4. Lowest Energy Performance Coefficient **(20%)**.
5. Lowest Effective Air Change Rate **(10%)**.

### Important Information

1. This is a design competition for existing homes that are being extended in terms of floor-space.
2. To qualify, the whole dwelling and the extension must be to NZEB Part L performance requirements.
3. Projects must have acquired planning permission or qualified as exempted development.
4. The competition is free to enter.
5. Applicants must be 18 year of age or over.
6. Judging is based on technical design details submitted only, therefore, both completed developments and developments that have not yet commenced may enter.
7. All applications must be submitted via the online entry form and will not be accepted in any other format.
8. SustainableTipp reserve the right to use any information supplied in the entry for promotion of their energy awareness programme.
9. The deadline for entries may be extended at the discretion of the judges.
10. The decision of the judges is final.
11. It is the policy of SustainableTipp never to disclose any customer data to any third party, apart from such instances where this disclosure is required for legal reasons. The information contained in the entry will be at all times treated in the strictest confidence.
12. Allocation of the prize fund may be to a single entry or multiple entries.

### Closing Date

Closing date for entries is **12 Noon 31st July 2020.**

### Further Information

Questions on the entry process should be issued to the organizers by email to

[NZEBdesign@tipperarycoco.ie](mailto:NZEBdesign@tipperarycoco.ie) or call the Planning Section, Tipperary County Council at 0761 06 5000.