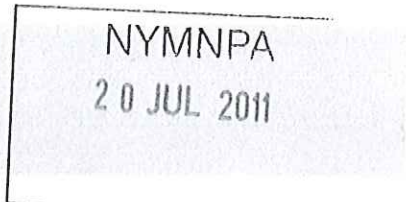


Please submit this form with your planning application. See Section 7 of the Renewable Energy Supplementary Planning Document for detailed guidance on how to undertake the calculations.

Please complete the relevant white boxes. Calculations will automatically be entered into the pink boxes.

Stage 1. Work out the annual CO₂ emissions of the buildings

Complete either calculations 1, 2, 3 or 4



1. Calculations where there is no Standard Assessment Procedure or Simplified Building Energy Model data

Where there is more than one type of building you will need to undertake this calculation separately for each building type.

Building type 1:

$$\begin{aligned} & \text{Annual benchmark CO}_2 \text{ emissions per m}^2 \text{ (a)} && \text{kgCO}_2/\text{yr} \\ & \qquad \qquad \qquad \times \text{ floor area (b)} && \text{m}^2 \\ & \qquad \qquad \qquad = \text{ annual CO}_2 \text{ emissions (c)} && \boxed{0} \text{ kgCO}_2/\text{yr} \end{aligned}$$

Building type 1:

$$\begin{aligned} & \text{Annual benchmark CO}_2 \text{ emissions per m}^2 \text{ (a)} && \text{kgCO}_2/\text{yr} \\ & \qquad \qquad \qquad \times \text{ floor area (b)} && \text{m}^2 \\ & \qquad \qquad \qquad = \text{ annual CO}_2 \text{ emissions (c)} && \boxed{0} \text{ kgCO}_2/\text{yr} \end{aligned}$$

Building type 1:

$$\begin{aligned} & \text{Annual benchmark CO}_2 \text{ emissions per m}^2 \text{ (a)} && \text{kgCO}_2/\text{yr} \\ & \qquad \qquad \qquad \times \text{ floor area (b)} && \text{m}^2 \\ & \qquad \qquad \qquad = \text{ annual CO}_2 \text{ emissions (c)} && \boxed{0} \text{ kgCO}_2/\text{yr} \end{aligned}$$

$$\text{Total CO}_2 \text{ emissions (c) + (c) + (c) = (d)} \quad \boxed{0} \text{ kgCO}_2/\text{yr}$$

OR

2. Annual CO₂ emissions from SAP assessment

Stage 4. Check that your chosen technology will provide enough CO₂ savings

(j) should be equal to or greater than (e) to ensure that at least 10% of predicted CO₂ emissions are offset through renewable energy.

% of CO₂ emissions which will be offset by renewable
energy (j) / (d) 107.7% %

If this figure is less than 10%, look at increasing the size / capacity of the installation, try other technologies or look at using a mix of technologies.

NYMND
20 JUL 2011