# Appendix B: NZCB – Operational Energy Minimum Reporting Template

## Overview

|  |  |
| --- | --- |
| Dates of achievement | 12 month period over which a net zero carbon balance has been achieved e.g. 1 April 2019 to 31 March 2020 |
| Verified by | Third-party verifier name and organisation |
| Building location | Full address |
| Building type | Provide planning use class |
| Building description | No. of storeys, structural frame, façade type, basement(?), brief description of associated external areas and any ancillary structures. |
| Energy scope | E.g. individual dwelling, tenant area in multi-unit building, base building, whole building, multi-building development, portfolio (base building or whole building etc.) |
| Assessed area | NLA, GLA |
| Percentage of total building area | I.e. assessed area / total building area |
| Data sources | List all data sources used in the assessment |

## Energy – overall

|  |  |  |
| --- | --- | --- |
| **Indicator** | **kWh** | **kWh/m2** |
| Total annual energy consumption |  |  |
| Total annual electricity consumption |  |  |
| Total annual fuel consumption (all other sources e.g. natural gas, ‘green gas’, heat network) per fuel/delivery type |  |  |
| Total annual electricity exported by renewable energy sources minus storage losses (e.g. photovoltaic) |  |  |

## Renewable electricity procurement

|  |  |  |
| --- | --- | --- |
| **Indicator** | **kWh** | **%** |
| Total annual electricity consumption: a row per procurement route (Refer to Table 9-10 of the [Renewable Energy Procurement & Carbon Offsetting guidance](https://www.ukgbc.org/ukgbc-work/renewable-energy-procurement-carbon-offsetting-guidance-for-net-zero-carbon-buildings/)) |  |  |
|  | Total | 100% |

**Supplementary narratives required:**

* Where interim EUI targets have not been met: an action plan setting out how the target will be met in subsequent years
* For existing buildings utilising fossil fuel based heating, hot water, and cooking: a trajectory plan setting out how fossil fuels will be phased out by its next system replacement cycle. The plan should also indicate how all other energy systems will be compatible with being powered from renewable energy sources by their next system replacement cycle.
* Supporting procurement information, e.g., supplier and green tariff name, REGO registry entry  
  (Refer to Table 9-10 of [the Renewable Energy Procurement & Carbon Offsetting guidance](https://www.ukgbc.org/ukgbc-work/renewable-energy-procurement-carbon-offsetting-guidance-for-net-zero-carbon-buildings/))

## Carbon

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Dual reporting** | | | **NZCB Framework Definition approach** | |
|  | Scope 1 | Scope 2 (location-based) | Scope 2 (market-based) | Scope 1 | Scope 2 |
| Total annual direct CO2e emissions from self-generation and consumption (tCO2e) |  |  |  |  |  |
| Total annual indirect CO2e emissions from imported electricity (tCO2e) |  |  |  |  |  |
| Total annual direct CO2e emissions from combustion of fuel (e.g. onsite gas) per fuel type (tCO2e) |  |  |  |  |  |
| Total annual indirect CO2e emissions from combustion of fuel (all other sources, e.g. heat network) per fuel type (tCO2e) |  |  |  |  |  |
| Total annual CO2e for Scope 1 + 2 emissions (tCO2e) | |  |  |  | |
| **For net calculations:** | | | | | |
| Total annual displaced CO2e emissions from electricity exported by on-site renewable energy sources minus storage losses (tCO2e) | | | |  | |
| Total annual displaced CO2e emissions from international carbon offsets (tCO2e) | | | |  | |
| Total annual displaced CO2e emissions from domestic carbon units (tCO2e) | | | |  | |
| Total annual net CO2e emissions (tCO2e) | | | | **0 (only when verified)** | |

## Offsets

|  |  |
| --- | --- |
| Carbon offset approach used | Minimum / Leadership: Transition Fund |
| International carbon offset standard used, amount and type of offset credit procured  Registry link |  |
| Domestic carbon unit standard used, amount and type of offset unit procured  Registry link |  |
| Weighted average cost per tonne of CO2e for carbon credits/units bought |  |
| Transition Fund – carbon price, cost per tonne of CO2e (if applicable) |  |

**Supplementary narrative required:**

* For Transition Fund approach – narrative on projects / schemes invested in, how it supports a transition to net zero, with evidence of projected or measured carbon savings. If there are any remaining funds, how these will be spent in the upcoming three years with a rolling fund figure update.