

## Appendix 3- Incremental approach to implementation of the full standard detailed in

The internal Design & Construction Service will apply the proposed standards if adopted following the incremental implementation approach specified in the table below to projects they are commissioned to undertake.

The proposed standards, if adopted, would be communicated widely to all Service Areas and those we work in partnership/collaboration with to ensure requirement built into the very early conceptual work involved in new build and major extension/refurbishment construction projects, including external funding bids.

The standard will be robustly implemented and communicated from day 1 of adoption. However, it is acknowledged a level of pragmatism will be needed in the first year of implementation of the standard acknowledging potential time and cost implications of applying the standard to projects which may have been developed over a number of preceding years.

Implementation stage	Estimated date	Description of what is being implemented
1. With immediate effect on Cabinet adoption of the standard	14 <sup>th</sup> December 2021	All DCC new build and major extension/refurbishment construction projects to meet:  1. Net zero carbon – <u>operational energy</u> (1.2): “When the amount of carbon emissions associated with the building’s operational energy on an annual basis is

Implementation stage	Estimated date	Description of what is being implemented
		<p>zero or negative. A net zero carbon building is highly energy efficient and powered from on-site and/or off-site renewable energy sources, with any remaining carbon balance offset.”</p> <p>A net zero carbon building is highly energy efficient and powered from on-site and/or off-site renewable energy sources, with any remaining carbon balance offset.</p> <p>Highly efficient is defined as using no more than the minimum energy than is required to support occupant health and comfort while allowing the building to function. The pilot project will inform what kwh/m2 energy intensity will be associated with Zero Carbon. The aspiration for the 21st CSCP is that on site renewable energy sources are maximised prior to considering any off-site generation.</p>
<p>2. Following the completion of the design &amp; tendering stages of a set of pilot</p>	<p>Date TBC (likely + 12 months following</p>	<p>All DCC new build and major extension/refurbishment construction projects to meet:</p>

Implementation stage	Estimated date	Description of what is being implemented
<p>projects implementing the adopted standard</p>	<p>implementation of phase 1)</p>	<ol style="list-style-type: none"> <li data-bbox="1196 336 1973 644">1. Net zero carbon – <u>construction</u> (1.1): “When the amount of carbon emissions associated with a building’s product and construction stages up to practical completion is zero or negative, through the use of offsets or the net export of on-site renewable energy.”</li> <li data-bbox="1196 667 2011 1027">2. Net zero carbon – <u>operational energy</u> (1.2): “When the amount of carbon emissions associated with the building’s operational energy on an annual basis is zero or negative. A net zero carbon building is highly energy efficient and powered from on-site and/or off-site renewable energy sources, with any remaining carbon balance offset.”</li> <li data-bbox="1196 1050 2018 1198">3. Net zero carbon – <u>whole life</u> (1.3) is also proposed at a high level, but further work will be needed to define the scope and requirements for this approach.</li> </ol>