



ZERO CARBON HOMES - PROGRAMME DELIVERY TIMELINE

2016 Taskforce – 16 March 2011

1. Overview

The Zero Carbon Hub maintains a series of timelines and convenes a cross-industry 'Timeline Group' on a regular basis to review and report progress.

Recent focus has been on development of proposals for the Carbon Compliance levels and the Timeline Group has not had an opportunity to meet to update the timelines. A copy of the report provided to the previous Taskforce Meeting held on 2 November is provided at Appendix A for information. A copy of the summary timeline is attached at Appendix B.

2. Next Meeting

The next Timeline Group meeting will be held in April 2011.

David Adams
10 March 2011

PROGRAMME DELIVERY TIMELINE REPORT – 2 NOVEMBER 2010

Steady progress is being made towards the objective of zero carbon new homes from 2016. Despite very difficult house building market conditions, leaders from across the broader house building, supply chain, professional and client sectors are continuing to engage with the agenda. The required underpinning work on definition, policy and regulation also continues, although there are a few areas causing some significant concern.

Overall programme status – Amber, actions are required to ensure timescale is maintained.

1. Key Points

Scaling up examples of low carbon and zero carbon homes (Amber/Green)

- CfSH/HCA requirements are driving the build of low carbon homes (at or above 44% better than 2006 Regs) and this will need to continue and increase to assist industry learning, dissemination and innovation.
- Circa 2,200 homes have been built to date to 25% better than 2006 Building Regulations although considerably less (157 to date) built to better than or equal to 44%.

Minimum Fabric Energy Efficiency Standard (FEES) (Green)

- Confirmed by the Minister

Carbon compliance (Green)

- The national level of a 70% reduction in regulated CO₂ emissions is under review by a Zero Carbon Hub Task Group and due to report to the Minister in December 2010.

Allowable solutions (Red/Amber)

- Scheme details and costs are necessary to complete the definition of zero carbon homes to enable housebuilders and others to predict future build costs and therefore confidently bid for land which can be purchased up to 10 -15 years in advance of build.
- The Ministerial Announcement on 27 July 2010 confirming that the feasibility of enabling developers to make payments to fund local renewable energy projects - to meet part of their carbon reduction requirements - is being explored, is a positive step.
- The Timeline indicates that a full definition for Zero Carbon is needed by end of Q1 2011 to ensure that progress is not jeopardised.

National compliance methodology - SAP (Red/Amber)

- SAP needs to be developed to ensure it is fit for use with low energy homes as outlined within the *Carbon Compliance for Tomorrows New Homes* report. This development is on the critical path and is urgent for both 2013 regulations and 2016.
- Overheating has been identified as a critical risk with homes built to higher energy efficiency standards (including those built to 2006 regulations) yet there is not currently an adequate tool for guiding designers.

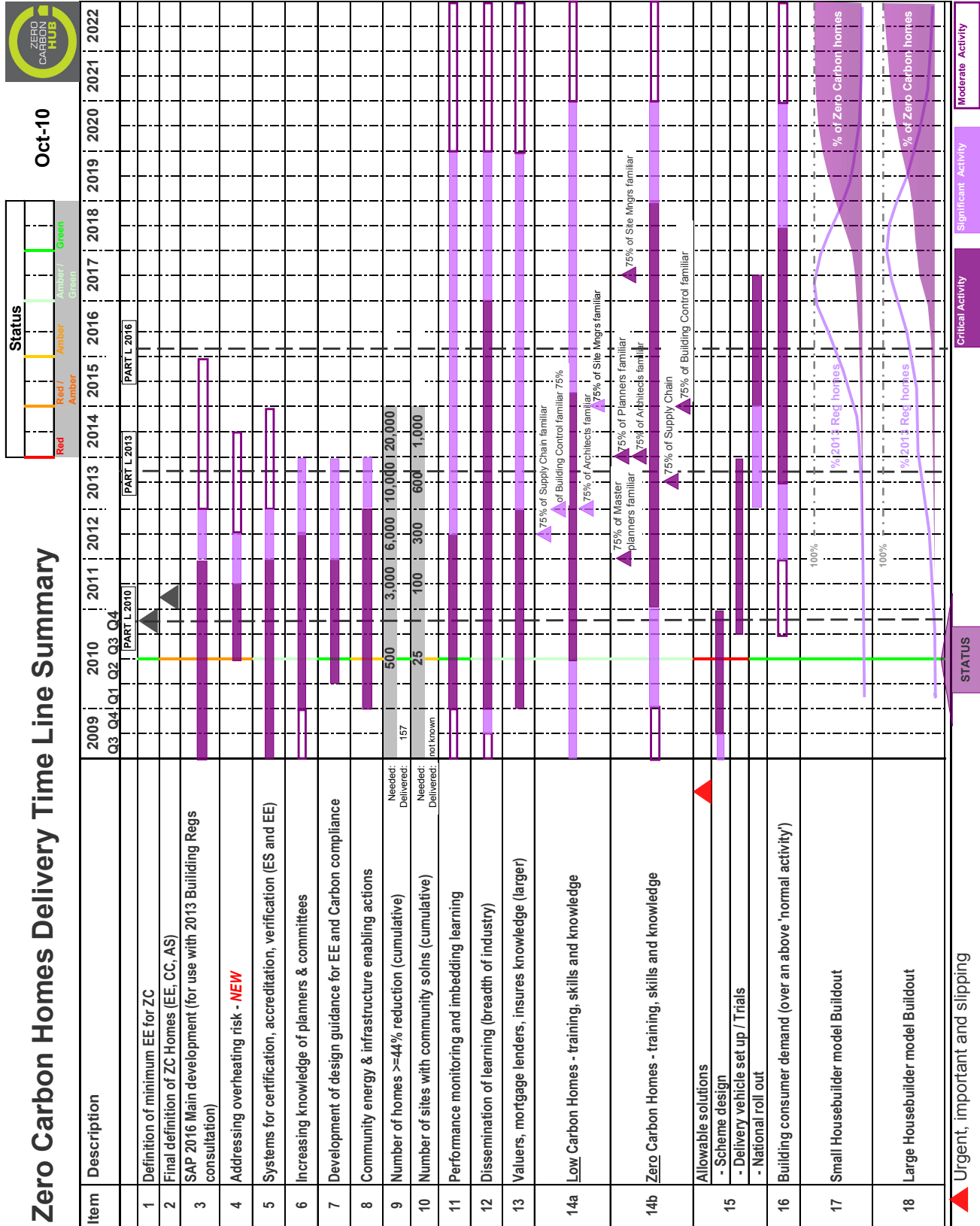
Knowledge and Skills (Amber/Green)

- 2011 will be a critical year for ensuring that the knowledge base, initially focusing on industry professionals, is developing fast enough to meet the necessary timeline.

Community energy and infrastructure enabling actions (Amber)

- For developments of new homes built to greater densities there will be an increased reliance on community and district energy solutions. There is a need to have a suite of 'off the shelf' legal and administrative frameworks to speed deployment and reduce costs.

Zero Carbon Homes Delivery Time Line Summary



Urgent, important and slipping