

PROJECT: 1109-01 Housing Futures

1 BACKGROUND

ClimateXChange is commissioning a piece of research to support the Scottish Government in its development of cost effective delivery scenarios to meet climate change targets in housing from 2020 to 2030. This research will support input to the second Scottish Government *Report on Proposals and Policies* (RPP2) and will also support the newly formed high level Sustainable Housing Strategy Group (which consists of stakeholders from related governmental, NGOs and industry bodies) as it develops its joint agenda and understanding.

Part 3 of the Climate Change (Scotland) Act requires Scottish Ministers to lay a report in Parliament setting out proposals and policies for meeting their annual targets to reduce emissions and steer Scotland towards a low-carbon economy. The first of these reports, (RPP1), *Low Carbon Scotland: Meeting the Emissions Reduction Targets 2010-2022: The Report on Proposals and Policies* (RPP1), was published in March 2011, and is available [here](#).

2 PROJECT OBJECTIVES

The research aim is to provide a practical and realistic assessment of technical and policy options to reduce energy demand from the existing Scottish housing stock from 2020 to 2030 with due consideration to the required behaviour changes necessary to support such change. This assessment would be based on expert commentary and summaries of current evidence. The Scottish Government's Sustainable Housing Strategy Group and Communities Analytical Services (Sustainable Places Branch) will be the end users of the project's outputs. The outputs will support thinking on and the development of Homes and Communities proposals and policies to address climate change and contribute to meeting the Scottish Government's Climate Change Act targets for 2023-27. It is expected that the outputs will take into account the current economic context for change.

It is not proposed that the outputs of this project should be peer reviewed.

3 SCOPE OF WORK

The work under this contract will provide a report for Communities Analytical Services, Scottish Government, that provides for the Sustainable Housing Strategy Group a practical and realistic assessment of technical and policy options to reduce energy demand from the existing Scottish housing stock from 2020 to 2030 with due consideration to the required behaviour changes necessary to support such change.

The work is divided into two Tasks, with two sub-tasks under each:

Task 1: Scope the impact of RPP1 on Scotland's housing stock

Sub-task (a): Identify what Scotland's housing stock could be expected to look like (in terms of energy demand) by 2020 assuming the emissions savings anticipated in delivery of Homes and Communities policies and proposals in RPP1, providing quantitative and qualitative evidence.

Sub-task (b): Scope how residents (owners/tenants) may be expected to have adapted to the low carbon agenda in their homes over the 10 years (2010 to 2020) taking into account drivers such as the UK and Scottish programmes, the rising cost of energy, growing awareness of climate issues and hassle factors.

Task 2: Assess the abatement potential of Scotland's housing stock from 2020-2030 in the context of a trajectory to 2050

Sub-task (a): Describe and prioritise potential abatement policies, approaches or measures that could be implemented 2020-2030 and their expected impact (qualitative and quantitative).

Sub-task (b): Describe key remaining abatement priorities in the housing sector after 2030.