

Research on Ashton Hayes 2006 to 2012

2006 Baseline Carbon Footprint study report and poster. University of Chester
Report and poster summarising the findings from the baseline carbon footprint study carried out by students and staff from the Dept. of Geography and Development Studies, University of Chester.

2007 First follow-up carbon footprint study and summary poster. University of Chester
Report and poster summarising the findings from the first follow-up carbon footprint study carried out by students and staff from the Dept. of Geography and Development Studies, University of Chester.

Alexander, R., Hope, M. and Degg, M. Mainstreaming Sustainable Development-A Case Study: Ashton Hayes is Going Carbon Neutral. *Local Economy*, 22, No. 1, 62-74, February 2007.

Journal article describing the Ashton Hayes Going Carbon neutral project and presenting results from the 2006 baseline study.

Edwards, G.J. Ashton Hayes Going Carbon Neutral: Motivators and barriers to successful public participation in community-based carbon reduction programmes. Unpublished MSc thesis, De Montfort University, Leicester.
MSc thesis reporting a study into what motivated or prevented people in Ashton Hayes from joining in the Going Carbon Neutral initiative and exploring levels of environmentally friendly behaviour in the village.

Garry Charnock and Dr Roy Alexander. *A Practical Toolkit for Communities Aiming for Carbon Neutrality*. Ashton Hayes Parish Council. 2007. Ca 740MB on CD.

A toolkit developed from the work carried out in Ashton Hayes, which was distributed freely to some 1,000 other communities in the UK and abroad.

2008 Second follow-up carbon footprint study and summary poster. University of Chester
Report and poster summarising the findings from the second follow-up carbon footprint study carried out by students and staff from the Dept. of Geography and Development Studies, University of Chester.

Hope, Max and Alexander, Roy (2008) 'Squashing Out the Jelly: Reflections on Trying to Become a Sustainable Community', *Local Economy*, 23:3, 113 — 120.

Journal article examining the issues involved in running a grassroots carbon reduction project with a focus on those concerning interactions with the local authority.

***Practical Action on Climate Change*. A resource pack designed to help engage communities in climate change issues. Produced by Energy Projects Plus and the Department of Geography and Development Studies at the University of Chester with funding received from the Cheshire and Warrington Economic Alliance Climate Change Group from the North West Development Agency. 2008.**

Toolkit for communities in the north west of England, which was developed from the work carried out in Ashton Hayes.

2009 Third follow-up carbon footprint study and summary poster. University of Chester

Report and poster summarising the findings from the third follow-up carbon footprint study carried out by students and staff from the Dept. of Geography and Development Studies, University of Chester.

Gillie, Mary, Carter, Jen, and Alexander, Roy. (2009) *A Community Microgrid for Ashton Hayes*. Confidential report to Carbon Connections and Ashton Hayes Parish Council. EA Technology Consulting/University of Chester. 51pp.

Report to Ashton Hayes Parish Council of the Carbon Connections-funded study into the feasibility of a developing a renewable energy-based community microgrid in the village.

Gillie, Mary, Carter, Jen, and Alexander, Roy. (2009) *A Generic Model for Community Microgrids*. Confidential report to Carbon Connections. EA Technology Consulting/University of Chester. 56pp.

Generic report, applicable to other communities, of the Carbon Connections-funded study into the feasibility of a developing a renewable energy-based community microgrid in the village of Ashton Hayes.

Gillie, M., Carter, J., Alexander, R. and Charnock, G. *Getting the most from Community Generation – an Economic and Technical Model to Control Small Scale Renewable Community Generation and Create a Local Energy Economy*. Paper 0190 presented at *CIREN, 20th International Conference on Electricity Distribution*, Prague, June 2009.

Conference paper reporting key aspects of the community microgrid model proposed for Ashton Hayes.

O'Hara, E. *Establishing a support framework for community action on climate change: Assessing the potential application of a LEADER-based model*. Unpublished MSc thesis, De Montfort University, Leicester.

MSc Thesis reporting a study into the support structures required by grassroots climate change and sustainability groups and the potential role of the EU LEADER initiative. Based on work with Ashton Hayes and six other community groups in the UK and Ireland plus the Transition Network.

2010 Fourth follow-up carbon footprint study and summary poster. University of Chester

Report and poster summarising the findings from the third follow-up carbon footprint study carried out by students and staff from the Dept. of Geography and Development Studies, University of Chester.

Ilieva, R.B. *Social acceptance of renewable energy technologies: Factors of success identified in the UK case study of Ashton Hayes*. Unpublished MA thesis, Middlesex University.

MA thesis examining public attitudes to renewable energy technologies in Ashton

Hayes with an emphasis on whether they are privately or publicly developed and owned.

2011 Mary Gillie, Roy Alexander and David Roberts. Community Energy from Policy to Practice. Paper 0244 presented at CIRE2011, International Conference on Electricity Distribution, Frankfurt, June 2011.

Conference paper examining the contemporary state of community energy through an analysis of the organisational, structural, and legal and support requirements for successful delivery and the regulatory and policy barriers that currently stand in their way, with a focus on Ashton Hayes and other projects in Cheshire.

SP Energy Networks. Ashton Hayes Project.

First report from SP (ScottishPower) Energy Networks on their monitoring of the four secondary substations that feed electricity to Ashton Hayes. The work is part of a Low Carbon Network Fund Tier 1 project.

SP Energy Networks. Ashton Hayes Smart Village.

Second report from SP (ScottishPower) Energy Networks on their monitoring of the four secondary substations that feed electricity to Ashton Hayes. The work is part of a Low Carbon Network Fund Tier 1 project.

2012 Department of Energy and Climate Change. Low Carbon Communities Challenge: Evaluation Report. July 2012.

Synthesis report, drawing upon independent evaluation research, into the Low Carbon Communities Challenge initiative. Ashton Hayes was one of the 22 communities in England, Wales and Northern Ireland funded under this initiative.

EnergeticUK Ltd. Ashton Hayes: Feasibility study for community wide renewable generation and deep energy efficiency retrofitting.

Report on renewable energy and energy efficiency in Ashton Hayes. Commissioned by Ashton Hayes Community Energy C.I.C. as part of the work funded under the DECC Local Energy Assessment Fund (LEAF) Initiative.

nef (the new economics foundation) An evaluative framework for social, environmental and economic outcomes from community-based energy efficiency and renewable energy projects for Ashton Hayes, Cheshire. March, 2012.

Report on the ways in which social, environmental and economic outcomes could be used to assess social return on investment in community-based energy efficiency and renewable energy projects. Commissioned by Ashton Hayes Community Energy C.I.C. as part of the work funded under the DECC Local Energy Assessment Fund (LEAF) Initiative.

M&M Associates. Ashton Hayes Community Energy – Information Hub.

Report and proposed materials on communicating energy information in the village and beyond. Commissioned by Ashton Hayes Community Energy C.I.C. as part of the work funded under the DECC Local Energy Assessment Fund (LEAF) Initiative.

SP Energy Networks. Ashton Hayes Smart Village. Community Report Quarter 2 2012.

Third report from SP (ScottishPower) Energy Networks on their monitoring of the four secondary substations that feed electricity to Ashton Hayes. The work is part of a Low Carbon Network Fund Tier 1 project.

Murphy, G and Alexander, R. Ashton Hayes Smart Village. *Low Carbon Networks Fund Annual Conference 2012, Cardiff, October, 2012.*

Conference paper reporting the outcomes and learning from SP Energy Networks' monitoring project in Ashton Hayes.

Hannon, M.J. *Co-evolution of innovative business models and sustainability transitions: The case of the Energy Service Company (ESCo) model and the UK energy system.* Unpublished PhD thesis, University of Leeds.

PhD thesis examining ESCOs with reference to a number of UK communities, including Ashton Hayes.