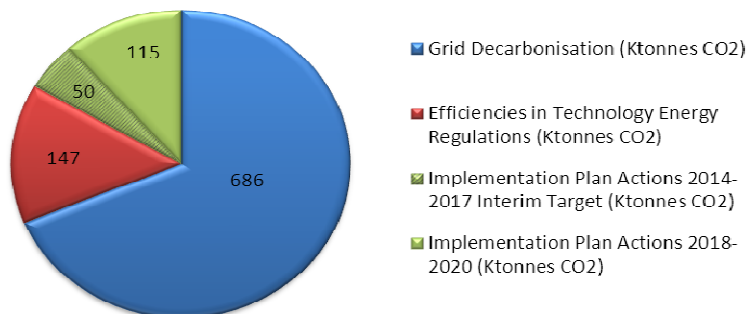


The Carbon Reduction Strategy Implementation Plan

[NOTE: Whilst not forming part of the Strategy document itself, the following Implementation Plan will be submitted to the Cabinet for approval on 15 July 2014. Thereafter it will be included as an annex to the Strategy for the sake of completeness and is intended to be updated as necessary by the Director of Environment and Transport, as resources become available or as Government policy changes, subject to any significant amendments being reported to the Cabinet, for its approval]

The Carbon Reduction Strategy for Leicestershire covers the period 2014-2020, this implementation plan is the first accompaniment to the strategy and will cover the period from 2014-2017. To give an indication of progress of the plan an interim target has been set. The interim target is to achieve 50 ktonnes reduction in carbon emissions by 2017. See diagram 2 below. The implementation plan and targets will be refreshed periodically.

Diagram 2: **Breakdown of 2020 reduction target (1000 ktonnes - 23%)**



An absolute carbon reduction figure has been used as the 2017 interim target, rather than a percentage, to evidence the progress made by implementing the actions in this plan. It is recognised that we are not operating in a static environment and there are a number of factors in Leicestershire that will contribute to changes in emissions over the lifetime of this plan. Economic and population growth will create upward pressure on carbon emissions, while technology improvements are likely to reduce emissions. By using an absolute reduction figure for these actions future reviews of the strategy and implementation plan will assess if the scale of activity will deliver the desired % reduction or if additional actions will be required to meet the reduction target.

This implementation plan is subject to securing the appropriate resource and will be refreshed periodically to reflect the level of resources available to deliver the actions. There is no commitment to any action until the resources it requires can be secured.

Potential funding which has already been identified to support the delivery of actions within this plan include;

- EU SIF allocation
 - ~ £4m Low carbon infrastructure
 - ~ £1m Development of SMART technology and supply chain
 - ~ £10m Retrofitting of housing and commercial premises
- Strategic Economic Plan
- Local Sustainable Transport Fund (LSFT)
 - ~ £4m towards smarter sustainable travel

3.1 Equalities Impact Assessment

Through the actions in the plan we will monitor and target underrepresented groups to ensure equal opportunities are provided to all communities.

3.2 Governance and Monitoring

The Climate Action team at Leicestershire County Council will take responsibility for monitoring and reporting on the progress towards the overall carbon reduction target.

Responsibility for ensuring delivery of the actions will be split between the various delivery agents such as the LLEP and Leicester Energy Agency.

Reporting mechanisms which currently exist for actions identified in the plan e.g. LTP3 will continue to operate. Individual reporting mechanisms will be put in place for all new programmes of work resulting from the actions in the plan.

The tables below are designed to be a 'live' document in that they can be amended and added to in response to change. This will allow the implementation plan to be used as a tool to assist in co-ordination and delivery of actions.

Priority 1: To support the reduction of carbon emissions from the residential housing stock in Leicestershire.

| Objectives and Actions | New | Existing | Deadline | Lead organisation | Potential funding |
|---|-----|----------|-----------|-------------------|-------------------|
| Objective 1: The delivery of retrofitting the residential housing stock in Leicestershire is supported | | | | | |
| - <i>Purchase housing dataset to identify, assess, monitor and target areas for action</i> | ✓ | | July 2014 | LCC (E&T) | DECC |
| - <i>Develop marketing and information programme to highlight support for domestic energy efficiency</i> | ✓ | | Mar 2015 | LCC (E&T) | LA's |
| - <i>Provide support and encourage private landlords to install retrofit improvements</i> | ✓ | | Dec 2016 | LCC (E&T) | LA's |
| - <i>Provide support and encourage home owners with high energy use to install home improvements</i> | ✓ | | Dec 2016 | LCC (E&T) | LA's |
| - <i>Support the roll out of smart metering to households in Leicestershire.</i> | ✓ | | Mar 2017 | LCC (E&T) | N/A |
| Objective 2: Front line staff are able to promote energy efficiency and carbon reduction; and understand where to refer households to for further support. | | | | | |
| - <i>Deliver energy efficiency and fuel poverty awareness training to front line staff to increase their capacity to support householders on carbon reduction and energy efficiency</i> | ✓ | | Mar 2015 | LCC (E&T) | DECC / LA's |

| Objectives and Actions | New | Existing | Deadline | Lead organisation | Potential funding |
|---|-----|----------|----------|-------------------|-------------------|
| - Following the successful completion of the 4Ways2Warmth programme, identify future action around fuel poverty in Leicestershire. | | ✓ | Mar 2015 | LCC (E&T) | DECC / LA's |
| Objective 3: The number of domestic households with renewable technologies installed has increased. | | | | | |
| - Develop a community energy share offer model to support the installation of photovoltaic panels on domestic housing stock | ✓ | | Dec 2015 | LCC (E&T) | LA's |
| - Promote the availability and opportunity for domestic renewable heat installations (RHI) | ✓ | | Dec 2015 | LCC (E&T) | LA's |
| Objective 4: Planning officers actively encourage energy efficient home and domestic renewable energy generation | | | | | |
| - Provide training for planning officers on renewable technologies regulations | ✓ | | Mar 2015 | LCC (E&T) | LA's |
| - Support planning officers to develop a local response to allowable solutions | ✓ | | Apr 2016 | LCC (E&T) | |
| - Consult with planners to develop a method to reduce delays from building regulations and planning permission requirements for solid wall insulation | ✓ | | Mar 2015 | LCC (E&T) | LA's |

Priority 2: Create the demand from business for carbon reduction

| Objectives and Actions | New | Existing | Deadline | Lead organisation | Potential funding |
|---|-----|----------|----------|-------------------------|-------------------|
| Objective 1: There is an effective mechanism to support businesses to invest in energy efficiency | | | | | |
| Expand the work of the Leicester Energy Agency to support businesses in the County | | ✓ | Jan 2015 | Leicester Energy Agency | EU SIF |
| - <i>Establish a retrofit and energy audit service for SME's</i> | | ✓ | Jan 2015 | | |
| - <i>Establish a support service for installation of building energy management systems for SMEs and other local private sector organisations</i> | | ✓ | Jan 2015 | | |
| - <i>Develop an environmental business network / carbon reduction club</i> | ✓ | | Mar 2015 | | |
| Objective 2: The feasibility of district heating network in Leicestershire has been explored | | | | | |
| - <i>Undertake a feasibility study for heat networks across Leicestershire.</i> | ✓ | | Mar 2016 | LCC (E&T) | DECC |
| - <i>Produce a heat master plan identifying preferred options and business cases to secure funding for delivery.</i> | ✓ | | Mar 2019 | LCC (E&T) | |
| Objective 3: The capacity to deliver energy efficiency in businesses is increased | | | | | |

| Objectives and Actions | New | Existing | Deadline | Lead organisation | Potential funding |
|---|-----|----------|----------|-------------------|-------------------|
| - <i>Build the capacity and skill set of local domestic heating engineers</i> | ✓ | | Mar 2015 | LLEP | |
| - <i>Promote the uptake of DECC's renewable heating system training vouchers.</i> | ✓ | | Mar 2015 | LLEP | DECC / SEP |
| - <i>Deliver supply chain events, workshops and business support measures in order to link local businesses to commercial opportunities</i> | ✓ | | Mar 2017 | LLEP | DECC / SEP |
| - <i>Retro fit of Leicestershire County Council business units and County farms</i> | ✓ | | Mar 2017 | LCC (CR) | LCC |
| Objective 4: There is a greater uptake of RHI compliant technologies by businesses in Leicestershire | | | | | |
| - <i>Establish a local biomass supply chain around the National Forest</i> | ✓ | | Mar 2016 | NF | NF |
| - <i>Create a work programme to establish SME biomass cluster groups.</i> | ✓ | | Dec 2015 | NF | LA's |
| - <i>Develop a mechanism to increase the uptake of RHI from private businesses and large estate users</i> | ✓ | | Mar 2017 | LLEP | |
| Objective 5: Partner organisations have reduced carbon emissions from their own estate and activities | | | | | |
| - <i>Leicestershire County Council's 'Better Off' Project is rolled out to all council buildings</i> | | ✓ | Mar | LCC | LA's |

| Objectives and Actions | New | Existing | Deadline | Lead organisation | Potential funding |
|--|-----|----------|----------|-------------------|-------------------|
| | | | 2015 | (E&T/CR) | |
| - <i>Leicestershire County Council's Re:Fit programme of work is completed</i> | | ✓ | Mar 2017 | LCC (CR) | |
| - <i>Leicestershire County Council has addressed energy efficiency in its own business estate tenants and business parks</i> | ✓ | | Mar 2020 | LCC (E&T/CR) | |
| - <i>Leicestershire County Council's Carbon Management Plan is implemented</i> | | ✓ | Mar 2020 | LCC (E&T) | |
| Objective 6: Planning officers actively encourage on farm renewable energy generation and anaerobic digestion | | | | | |
| - <i>Engage and provide training for District planning officers to encourage on farm renewable energy generation and anaerobic digestion</i> | ✓ | | Mar 2015 | LCC (E&T) | |

Priority 3: To ensure carbon emissions from transport do not exceed current levels over the life of the strategy, irrespective of growth in net travel

Further information on each of the actions listed below can be found in [Leicestershire's latest Implementation Plan \(2014-17\) for its 3rd Local Transport Plan.](#)

| Objectives and Actions | New | Existing | Deadline | Lead organisation | Potential funding |
|--|-----|----------|------------|-------------------|----------------------|
| Objective 1: Encourage active and sustainable travel | | | | | |
| <i>Continue to work with partners to deliver third and final year of LSTF programmes in Loughborough and Coalville (LTP3 Action 9)</i> | | ✓ | Mar 2015 | LCC (E&T) | LSTF |
| <i>Work with partners to monitor the impact of our LSTF investment in Loughborough and Coalville. (10)</i> | ✓ | | Mar 2017 | LCC (E&T) | |
| <i>Continue to work with Leicester City Council to deliver the third and final year of the City's LSTF programme (11)</i> | | ✓ | Mar 2015 | LCC (E&T) | |
| <i>Deliver programme of sustainable transport improvements in Hinckley urban area between 2014 and 2017.(12)</i> | ✓ | | Mar 2017 | LCC (E&T) | LTP3 / SLGF / LSTF 2 |
| <i>Continue to work with Leicester City Council and local bus operators to improve ticketing options for passengers (13) (14)</i> | | ✓ | March 2015 | LCC (E&T) | LTP3 |
| <i>Introduce Real Time Passenger Information (RTPI) on routes across the County.</i> | | ✓ | March | LCC | LTP3 |

| Objectives and Actions | New | Existing | Deadline | Lead organisation | Potential funding |
|--|------------|-----------------|-----------------|--------------------------|--------------------------|
| <i>Implementation on routes in Leicester Principal Urban Area to take place in 2014/15. (18)</i> | | | 2015 | (E&T) | |
| <i>Work with partners to monitor the impact of the Better Bus Area Fund improvements on the A426 bus corridor into Leicester. (16)</i> | ✓ | | Mar 2017 | LCC (E&T) | BBAF |
| <i>Continue to develop a prioritised list of bus corridors where we would like to investigate the provision of improvements for bus, cycle and pedestrian movements. (17)</i> | | ✓ | Mar 2017 | LCC (E&T) | LTP3 / SLGF |
| <i>Work with Network Rail, Leicester City Council and others to ensure that the electrification of Midland Mainline is constructed to Network Rail's timetable.</i> | ✓ | | Mar 2018 | LCC (E&T) | |
| Objective 2: Improve the performance and reliability of the transport network | | | | | |
| <i>Deliver programme of junction and local road network improvements in Hinckley urban area between 2014 and 2017.</i> | ✓ | | Mar 2017 | LCC (E&T) | LTP3 / SLGF / LSTF2 |
| <i>Undertake investigations to identify potential further improvements to the road network serving the M1 J21 area, principally focused on the section of the A563 from the Meridian roundabout to the Everard's junction.</i> | ✓ | | Mar 2016 | LCC (E&T) | SLGF |
| <i>Continue to investigate and design potential major transport scheme proposals for improvements to: (i) the A6 Abbey Lane / Loughborough Rd to Anstey Lane corridor; (ii) the A50 Groby Road to Anstey Lane corridor.</i> | | ✓ | Mar 2019 | LCC (E&T) | SLGF |

| Objectives and Actions | New | Existing | Deadline | Lead organisation | Potential funding |
|--|-----|----------|-----------------------|-------------------|-------------------|
| <i>Investigate, design and deliver a programme of improvements at key highway junctions throughout the County.</i> | ✓ | | Mar 2017 | LCC (E&T) | SLGF / Developers |
| Objective 3: Manage and maintain the condition of our transport assets and the local transport network so that they are resilient to climate change. | | | | | |
| <i>Implement actions and policy revisions arising from the 3 Counties Alliance Partnership review of climate change adaptation actions for highway assets.(29)</i> | ✓ | | Mar 2015 | LCC (E&T) | LTP3 / MTFS |
| Objective 4: Reduce the impact of traffic on air quality | | | | | |
| <i>Continue work to deliver Loughborough Town Centre integrated transport scheme.</i> | ✓ | | Mar 2015 | LCC (E&T) | DfT |
| Objective 5: Work through the planning system to seek to minimise the potential transportation impacts of population growth on the efficient and reliable operation of our transport system. | | | | | |
| <i>Continue to work with local planning authorities to plan and prepare the transportation schemes that are coming forward through the Core Strategy and Local Development Framework process to help facilitate population and housing growth. This will include efforts to maximise the use of sustainable transport modes by seeking to deliver new development in areas that are already able to be well served by walking, cycling and public transport.</i> | | ✓ | Mar 2020 (ongoing) | LCC (E&T) | Developers / SLGF |
| Objective 6: Build our understanding of the effectiveness of potential transport policy interventions in helping to reduce | | | | | |

| Objectives and Actions | New | Existing | Deadline | Lead organisation | Potential funding |
|--|-----|----------|----------|-------------------|-------------------|
| carbon emissions. | | | | | |
| <i>Use updated version of LLITM to test the impact of various transport policy interventions in mitigating the predicted highways impacts of growth in Leicestershire. (5)</i> | | ✓ | Mar 2015 | LCC (E&T) | LTP3 |

Priority 4: Support communities to develop small-scale community owned renewable energy and energy efficiency projects.

| Objectives and Actions | New | Existing | Deadline | Lead organisation | Potential funding |
|---|-----|----------|----------|-------------------|-------------------|
| Objective 1: There is an effective delivery mechanism to support the identification and delivery of community energy projects in Leicestershire | | | | | |
| - <i>Map community organisations across Leicestershire currently active on energy issues</i> | ✓ | | Sep 2014 | LCC (E&T) | EU SIF |
| - <i>Support and training is provided to at least 6 new community energy groups in Leicestershire</i> | ✓ | | Mar 2017 | | |
| - <i>Appraise the current communities' champions' network in Leicestershire and develop a proposal to provide support and training and expand network.</i> | ✓ | | Mar 2015 | | |
| - <i>Explore options for an online peer to peer platform for community groups</i> | ✓ | | Mar 2016 | | |
| - <i>Agree a schedule of community event and road shows to engage communities in energy efficiency, to be held across the County; and deliver these events.</i> | ✓ | | Mar 2016 | | |
| Objective 2: Carbon emissions from community buildings in Leicestershire are reduced | | | | | |
| - <i>Establish three retrofitted community buildings as Green Hubs.</i> | ✓ | | Mar | LCC | EU SIF |

| Objectives and Actions | New | Existing | Deadline | Lead organisation | Potential funding |
|--|-----|----------|----------|-------------------|--------------------|
| | | | 2016 | (E&T) | |
| - <i>Deliver a series of Green Hub open days across Leicestershire to showcase retrofit examples.</i> | ✓ | | Sep 2016 | LCC (E&T) | EU SIF |
| - <i>Continue to administer the SHIRE Community Climate Change grant fund</i> | | ✓ | Mar 2015 | LCC (E&T) | LA |
| Objective 3: The number of community renewable energy projects in Leicestershire has increased | | | | | |
| - <i>Develop a range of community energy share offer models which support the installation of photovoltaic panels on community buildings, council properties and schools</i> | ✓ | | Mar 2016 | LCC (E&T) | LA's |
| - <i>Support organisations applying for existing grant funding for community renewable energy projects to carry out feasibility studies, gain planning approval or seek technical expertise. The feasibility of a revolving grant fund will be investigated.</i> | ✓ | | Mar 2016 | LCC (E&T) | LA's |
| Objective 4: The number of project areas working on reducing carbon emissions in Leicestershire is increased | | | | | |
| - <i>As a partner in Sustainable Harborough Challenge support them to develop community energy efficiency programmes in Market Harborough</i> | | ✓ | Mar 2017 | SHC | Big Lottery / LA's |
| - <i>Explore establishing energy forums across Leicestershire</i> | ✓ | | Mar 2017 | LCC (E&T) | |

| Objectives and Actions | New | Existing | Deadline | Lead organisation | Potential funding |
|--|-----|----------|----------|-------------------|-------------------|
| Objective 5: There is support for Leicestershire schools to reduce carbon emissions | | | | | |
| - <i>Secure enough schools annually to participate in the Schools Collaboration on Reducing Energy (SCoRE) service</i> | | ✓ | On going | LCC (E&T) | School |