

Portsmouth City Council March 2015		
ACTION	EXAMPLE	TIMING
i) LOCAL ENERGY EFFICIENCY AMBITIONS AND PRIORITIES		
	<p>The city is still working towards delivering the multi-agency Climate Change Strategy https://www.portsmouth.gov.uk/ext/documents-external/cmu-climate-strategy-full.pdf</p> <p><u>Carbon emissions</u> Carbon emissions in the city are 5.1 tCO₂ emissions per capita (2012) and 35% of these emissions are from domestic sources. This has reduced from 6.0 tCO₂ (2005) - taken from DECC CO₂ emissions within the scope of influence of Local Authorities (previously called National Indicator 186: Per capita CO₂ emissions in the LA area) Portsmouth's multi-agency city wide climate change strategy has a specific objective around reducing carbon emissions in the city. The 2012 strategy update can be watched here: https://vimeo.com/53588051</p> <p><u>A city wide energy strategy</u> A specific objective within the city's multi-agency climate change strategy; an Energy Strategy for Portsmouth is due to be produced this year. The multi-agency, city wide strategy will identify the opportunities for the city with regards to reducing demand, local energy generation and renewable technologies. There has been extensive stakeholder engagement to ensure the strategy is fully owned by the major energy users in the city. The strategy should be endorsed by PCC Cabinet by September 2015.</p> <p><u>PCC Carbon Management Plan</u> PCC has a target to reduce its organisational carbon footprint by 30% by 2016/17. This target includes corporate buildings and communal housing areas but not the council's domestic housing stock. Effective project delivery has ensured that PCC is predicted to meet this target.</p>	<p>Ongoing</p> <p>2015/16</p> <p>2016/17</p>

	<p><u>Fuel Poverty</u> Under the new Low Income High Cost measure 10.7% of households in Portsmouth across all tenures are deemed to be in fuel poverty. The national average is 10.4%.</p> <p>However when looking at smaller areas in the city the % of households can vary widely e.g. Central Southsea 19.5%.</p> <p>There is an objective within our Tackling Poverty Strategy for 'Better co-ordination of fuel poverty initiatives across the Council with other agencies e.g. Public Health (including links with our greener homes agenda). A new Tackling Poverty Strategy for 2015-18 is due to be approved by Portsmouth's Health and Wellbeing Board in the next few months and will be available on the PCC website.</p> <p>We target work in this area around getting advice to as many vulnerable people in the city as possible, particularly around how they can reduce their fuel costs and make their homes more energy efficient.</p>	Ongoing
	<p>We have a multi-agency Fuel Poverty Action Plan which determines a number of priorities for the work ahead - such as up-skilling frontline staff (with targets for example, around delivery of basic and specialist fuel poverty training sessions).</p> <p>The Fuel poverty group also responds to Government consultation documents e.g. Fuel poverty Strategy, NICE- Excess Winter deaths and illnesses Guidelines, in order to try and influence national policy.</p>	Ongoing
	<p><u>Private Sector Housing</u> Our Housing Renewals Policy provides advice and financial assistance in the form of grants or loans to private homeowners to assist in the removal of Category 1 Hazards from Portsmouth properties, and Category 2 Hazards if</p>	Ongoing

	<p>feasible under the new Housing Health and Safety Rating System (HHSRS), previously Housing Fitness Standard. We have assisted 200 properties since March 2013, and estimate improvements to a further 250 properties by March 2017.</p>	2017
	<p>Our Housing Renewals Policy and Green Deal scheme have improved the heating efficiency of at least 70 properties from March 2013 to March 2015, to reduce the impact of excess cold to the most vulnerable. We will continue to focus on this as a key priority across the city, with particular focus on fuel poverty groups.</p>	Ongoing
	<p>We will also work with private sector landlords to help in increasing the energy efficiency of properties, and raise awareness of the new private rental efficiency legislation. Currently we have over 150 landlords as part of the Landlord Accreditation Scheme, which includes ensuring the property is energy efficient as possible within 3 years. We are looking to increase the number of properties as part of the scheme to over 1,000 in the next 12 months and take a more active interest in efficiency requirements through the development of a council led letting agency.</p>	2016
	<p>We will also, if necessary use the enforcement powers available within the Housing Act 2004, to reduce excess cold from private rented accommodation.</p>	Ongoing
	<p>We continue to ensure that any resident of Portsmouth will be in a position to access impartial advice in respect of the Green Deal/ECO programme, and any other national or local energy efficiency schemes available. We offer home energy efficiency visits for the most vulnerable.</p>	
	<p>EPC data purchased from DCLG will support and assist in the targeting of energy efficiency and consumption priorities, and allow us to set targets going forward.</p>	2015/16

	<p>18 months. Its role is to :</p> <ul style="list-style-type: none"> • Implement energy efficiency work to our housing stock. • Secure external funding to carry out energy efficiency work • Promote energy efficiency in other departments in housing • Identify potential grant funding and co-ordinating bids • Energy monitoring and evaluating of projects to inform future work • Home energy visits offering energy saving advice targeting tenants through frontline housing staff 	
<p>ii) MEASURES WE ARE TAKING TO RESULT IN SIGNIFICANT ENERGY EFFICIENCY IMPROVEMENTS OF OUR RESIDENTIAL ACCOMMODATION</p>		
<p>Green Deal and ECO</p>	<p>In December 2012 we received Cabinet approval to proactively respond to the Green Deal concept and have delivered through a local provider model called Solent Green Deal;</p> <p>The key objectives of the Solent Green Deal scheme are:</p> <ul style="list-style-type: none"> • Assisting homeowners & tenants in reducing their energy usage at no upfront cost • Contributing to carbon reduction across Hampshire • Encouraging the use of local Small & Medium Sized Enterprises (SMEs) within the Green Deal installation supply chain • Encouraging local economic growth through job creation and apprenticeship places <p>A joint bid with Portsmouth City Council, Eastleigh Borough Council and Southampton City Council secured funding from the Department of Energy & Climate Change (DECC) Green Deal Pioneer Places fund. Portsmouth City Council (PCC) has overall day to day responsibility to ensure that the Solent Green Deal scheme is implemented and sourced by our customer, with a project management board made up of members from the 11 participating local authorities.</p>	<p>Ongoing</p>

Portsmouth Figures:

Since launching the scheme in July 2013 to end-December 2014, we have received 571 enquiries, carried out 218 Green Deal Assessments, and have made improvements to, or have contracts agreed for 48 properties in the Portsmouth area. We have also carried out 70 EPCs to RSL properties prior to loft and CWI install.

Marketing the Solent Green Deal:

- Includes the provision of a dedicated web site, updated to include details of funding such as the RHI, GD HIF, etc.;
<http://www.solentgreendeal.org.uk>
- The provision of a 'Ready Reckoner' tool for residents to undertake a quick and easy self-assessment;
- Interactive show homes, static energy saving homes and a mobile unit which have been used at specific events throughout the Hampshire region, and to engage with community groups, individuals and organisations looking to improve efficiency;
- A marketing strategy to encourage participating authorities to utilise the branding and templates developed.

Energy Companies Obligation:

The Solent Green Deal scheme will work closely with local authority management or RSL within the Hampshire area, and coordinate any possibility of ECO funding.

This will include:

- Undertaking preliminary inspections to determine the amount of CO₂ savings that could be achieved
- Work with the tenants to ensure behaviour change savings can be made
- Work with right to buy owners to ensure they are part of the program and have the ability to access funding under the Green Deal program

	<p>Our Local Authority Housing Service has taken advantage of ECO funding to deliver 590 loft and approx. 1,000 cavity wall insulations over the last 18 months. The cavity wall work has been fully or part funded by the CERO or CSCO elements of ECO. Overall the funding has covered around 90% of the cost of the cavity work and the loft work has been fully funded. This amounts to approx. £850,000 of funding secured for energy efficiency improvements to our housing stock. This work will continue with ECO 2 from April 2015 onwards.</p>	2015-2017
<p>Awareness raising on energy efficiency in Portsmouth homes</p>	<p>Green Neighbours: We are running a collaborative scheme across PCC's Waste and Housing services, called Green Neighbours which aims to up-skill a number of residents on a range of sustainability areas including energy efficiency, who will then spread this knowledge across the city. The scheme is working across two areas of the city, both high in fuel poverty but with very different social demographics.</p> <ul style="list-style-type: none"> • Events focus on household energy, water consumption and food waste. • 'Green Neighbour' volunteers are engaged through; carbon footprint software, the city's thermal image and demonstrations of energy monitors and household appliances. • The volunteers are encouraged to speak to their friends, family, peers and neighbours about the energy saving actions and enabled through giveaways such as low flow shower heads (donated by Southern Water), meal plan magnets and low energy lightbulbs (donated by Southern Electric). • This community led approach is a long term behaviour change method that is very effective. <p>Private Sector Housing schemes:</p> <ul style="list-style-type: none"> • Keep Warm and Carry On - excess cold and fuel poverty awareness - community talks, flyers and residents' magazine promoting funding assistance to install/replace central heating and boilers. Portable heaters are loaned by the Homecheck service for temporary excess cold relief, and advice given on basic self-help measures • Energy Advice Officer - providing telephone advice and home visits to 	

- advise on energy saving measures and reduction of excess cold
- Homecheck Service - free draught proofing service for all residents
 - Landlord Accreditation Scheme - awareness raising in the private rental sector on energy related legislation. Current focus is on the responsibility of the landlord not to refuse reasonable requests for energy saving improvements, and improving rental properties to EPC band E and above
 - GP referrals for residents in need of improvement works, to reduce hazards and excess cold in the home
 - Solent Green Deal provides advice and access to Green Deal, ECO and related incentives, assessments, measures and finance
 - The interactive show home is used to raise awareness of the Green Deal, providing an entry point for private homeowners and tenants looking to make efficiency improvements. Access to an interactive Ready Reckoner helps to establish initial eligibility and signpost users to the Solent Green Deal project.
 - A static show home has been created along with a workshop in a vacant property which provides training and education to community groups. The aims of the show home are two-fold:
 1. To create a permanent showcase of energy efficient measures, encouraging householders to view and understand measures before installing in their own property.
 2. To hold energy-saving workshops for local community groups to learn skills such as draught-proofing and secondary glazing installation.

Local Authority Housing:

A team with the purpose of reducing energy in housing is now well established.

- The team carries out home energy visits targeting tenants identified by front line housing staff. This includes:
 - Advice on mould and condensation and the causes
 - Tariff advice around payment of energy
 - Promoting the Warm home discount - Approx. 200 residents have

- been helped through the energy team
- Behaviour change advice around energy efficiency in the home
 - Ensuring repairs around energy saving that are carried out by the housing repair team
 - Offer LED light bulbs to residents to help reduce electricity bills

Keep Warm Keep Well Program -

Public Health will be funding a grants programme (30K) and winter warmth campaign (10k) for the third successive year during 15/16 since PH responsibilities returned to local authorities from the NHS in 2013. This was previously funded by successful LA bids into a national funding scheme "Warms Homes, Healthy People" which has been subsequently withdrawn.

Partner organisations:

- a. Hampshire and the Isle of Wight Community Foundation (HIWCF)
- b. Portsmouth City Council (funded by Public Health)
- c. Relevant advice services in the city who work with vulnerable people.

Relevant areas of activity

1. **Grants programme** led by Hampshire and the Isle of Wight Community Foundation - for voluntary organisations working with specific groups of vulnerable people. Targeted at keeping people warm in winter e.g. through gas and electric top ups, provision of hot water bottles and blankets etc.
2. **Awareness raising campaign-** Awareness raising at population level and also amongst individuals, encouraging the uptake of available provision and addressing under subscription. Building on locally recognised brand and social marketing approach agenda engagement and provision uptake will be increased.

Anticipated numbers to be supported

	<ul style="list-style-type: none"> • Grants Programme plus – Grants programme, 6-10 voluntary and community groups and 500 individuals • Awareness raising campaign – Aimed at whole target population, success will be measured by % increase in referrals to private sector housing and people taking up advice opportunities, home visits, grants programme, group sessions, surgeries and training opportunities 	
Feed in Tariffs scheme	<p>We have installed four corporate building solar PV installations, one school and 59 council house installations to date.</p> <p>The 59 housing sites have a total of 687kWp of generating capacity which translates to an annual income of £164,000 from Feed-in tariff payments, energy export payments and actual savings on energy bills.</p> <p>LAH plan to install an additional estimated 500kWp of solar PV panels in the 2015-2016 financial year through their Solar PV framework. There is further financial provision in the Housing capital programme for the following years.</p> <p>A capital bid for 2015-2016 has been approved to install additional solar PV panels on corporate buildings.</p> <p>A solar thermal scheme (18.03kWp) used as a primary boiler for a sheltered housing scheme has been installed under the RHI.</p> <p>The Green Deal team provide advice and undertake Green Deal Assessments for residents applying for RHI and FiT payments.</p>	2015-2016
Zero Carbon Homes	<p>To ensure the highest possible standards of sustainable design and construction in new development, we have a policy in our Portsmouth Plan (http://tinyurl.com/lkl9c5u) which requires certain levels of the Code for Sustainable Homes and BREEAM to be met. This is then expanded on in a Supplementary Planning Document on the topic (http://tinyurl.com/okx4ej5).</p>	

	<p>The policy is now being implemented and this means that the housing now being completed in the city has lower carbon emissions, higher energy efficiency and is of a higher quality than the national standard. This will continue in the future as we move towards the development of zero carbon homes from 2016.</p> <p>Local Authority Housing: Recently built 24 houses and 18 flats in the city. Energy consumption is being monitored and residents are visited and engaged on ways of saving energy and using heating controls. Lessons learnt will be fed back to inform future new build housing projects and review effectiveness of code level delivery.</p> <p>It is proposed to build 250 new local authority homes to code for sustainable homes level 5 over the next 2 years. These will be designed and built to include Solar PV panels, mechanical ventilation and heat recovery units, improved insulation, double glazing and smart meters.</p>	2015-2017
EPCs	<p>Private Sector Housing: We carry out an EPC on every property that receives financial assistance through the Housing Renewals Policy. EPCs are offered to members of the Landlord Accreditation Scheme to monitor efficiency ratings in the private rental sector. We also collect data from Green Deal and ECO EPCs carried out through our Solent Green Deal project.</p> <p>Data from the EPCs is collated to provide a record of domestic energy ratings and SAP improvements city-wide. Over the last 12 months we have carried out 470 EPCs across the private sector.</p> <p>Local Authority Housing: Every appropriate opportunity will be taken to produce an energy performance certificate (EPC) for each of its properties and record this data in its stock database. An EPC is produced on every property that becomes void or is subject</p>	Ongoing

	<p>to a major key element change. For example an additional 1,500 EPC certificates are now recorded on our stock database from the programme of loft and cavity wall installation.</p> <p>Predictably we undertake 780 EPCs annually and the information gathered by these on site surveys direct our future property improvement programmes. It is anticipated that the number of EPC's undertaken each year will remain at this level.</p>	
<p>Minimum standards in the private rental sector</p>	<p>We will continue to actively use the Housing, Health and Safety Rating scheme to ensure that all category 1 hazards in relation to Excess Cold are removed from the private rented market. We also work closely with local landlord groups and letting agents to make sure they are fully aware of all options available to them including:- different types of heating systems available, general behavioural change information for tenants, ability to access Green Deal funds, renewable energy and collective switching; in order to ensure that tenants live in properties which are energy efficient.</p> <p>We will take advantage of new legislation relating to the efficiency of rental properties, to encourage all landlords to produce an EPC, and to provide incentives for measures recommended to improve the efficiency of the property.</p> <p>Our Additional Licencing Team is developing a series of efficiency workshops and events to raise awareness of new legislation requirements among local landlords.</p>	<p>March 2016</p>
<p>Energy Monitoring</p>	<p>Smart meters will be installed by each properties electricity supplier. Scottish and Southern Energy started their roll out in 2014.</p> <p>Local Authority Housing:</p> <ul style="list-style-type: none"> • Installed AMR metres in our operational buildings. By analysing energy profiles measures we will continue to reduce energy consumption in those 	

	<p>buildings</p> <ul style="list-style-type: none"> • Working in collaboration with Southampton University to record energy data before and after construction of a £12 million retrofit to a high rise at Wilmcote House. This data will be valuable in informing future retrofit projects as it is PCC's hardest to treat tower block. The University have recently started research work installing thermal and humidity loggers at 2 electrically heated blocks at Tipton and Edgbaston Houses where residents are on communal charges and which are programmed for a future retro fit project. An initial report has produced useful learning on residents heating homes to temperatures above those recommended by Public Health England • Analyse stock database to identify high consuming properties that can be targeted for energy saving measures • As part of the Government's response to the European Energy Efficiency Directive on Metering and Billing all communally heated properties are to be notified to NMO (National Measurement Office) by 30 April 2015 • LAH to undertake the metering/heat cost allocator viability assessment of its communally heated properties to establish the viability of installing heat meters in its communally heated properties 	<p>Ongoing</p> <p>2015</p>
<p>iii) MEASURES WE PROPOSE TO COST EFFECTIVELY DELIVER ENERGY EFFICIENCY IMPROVEMENTS IN RESIDENTIAL ACCOMMODATION BY USING AREA BASED/STREET BY STREET ROLL OUT.</p>		
	<p>Private Sector Housing: We have successfully won funding jointly with Eastleigh Borough Council, Southampton City Council and Gosport Borough Council, to deliver the Green Deal Communities Bid to homes across the city. All participating residents are being offered blended funding offers including incentive vouchers, Green Deal Finance, self-financing and ECO to encourage take-up.</p> <p>The project is being rolled out in three phases; Phase 1 - EWI to approx. 50 BISF system built properties in the Paulsgrove area</p>	<p>Completed Sept 2015</p>

of the city.

Phase 2 - £1,500 voucher towards the replacement of an inefficient boiler for occupants aged 65+ for approx. 60 properties.

Phase 3 - EWI to approx. 40 system built properties in an area yet to be decided.

Local Authority Housing:

In the last 18 months a successful DECC funding bid has enabled the replacement of inefficient boilers in 550 properties across the city. Together with other simple energy saving measures and energy saving advice, the average annual cost saving per property was calculated at £300 with an overall approximate saving of 34 tonnes of carbon. 65% of council tenants who will benefit from this project live within wards that are in the 10% most deprived in the country and with 66% of council tenants claiming benefits it will make a significant contribution to lifting tenants out of fuel poverty.

Data from this project on energy consumption prior to work being carried out and 1 year post installation is being evaluated by Southampton University.

As part of our daily repairs and maintenance service PCC replaces on average 650 boilers per annum as part of its renewals programme in residents` properties.

LAH have retrofitted 237 blocks with LED emergency and standard lighting since 2012.and have saved approx. £80,000 per annum from Housing`s landlord electricity bills.

As part of the home energy visits 2,753 bulbs have been distributed amongst 681 properties. 2,000 of these bulbs were funded from the Keep Warm Keep Well grant 2013.

Collective energy switching:

Portsmouth took part in a Hampshire wide collective energy switching scheme

	<p>called Switch Hampshire. The scheme ran three domestic switching schemes (summer - May/June 2013, autumn - October/November 2013, winter - December 2013-February 2014) and a specific scheme for SME's (November 2013 - February 2014) which enabled residents and SME's to access lower energy tariffs and reduce their bills.</p> <p>The first Switch Hampshire scheme received the highest number of registrations out of any scheme run as part of the Big Community Switch. Across all 3 schemes 938 Portsmouth residents registered to take part and from those who switched total savings for residents were £25,895.</p>	
<p>iv) TIME FRAME FOR DELIVERY AND NATIONAL AND LOCAL PARTNERS</p>		
	<p>There are various timeframes for delivery as highlighted through this report.</p> <p>The key areas of partnership working are: Solent Green Deal: A joint bid with Portsmouth City Council, Eastleigh Borough Council and Southampton City Council secured funding from the Department of Energy & Climate Change (DECC) Green Deal Pioneer Places fund. Portsmouth City Council (PCC) has overall day to day responsibility to ensure that the Solent Green Deal scheme is implemented and sourced by our customer, with a project management board made up of members from the 11 participating local authorities.</p> <p>Keep Warm Keep Well Program: Public Health will be funding a grants programme (30K) and winter warmth campaign (10k).</p> <p>Partner organisations:</p> <ol style="list-style-type: none"> a. Hampshire and the Isle of Wight Community Foundation (HIWCF) b. Portsmouth City Council (funded by Public Health) c. Relevant advice services in the city who work with vulnerable people. <p>The University of Southampton are also a key partner and are working closely</p>	

	with our LAH service to analyse the impact of energy efficiency projects and residents behaviour.	
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Signed off by Owen Buckwell
Position Director of Property