

Portsmouth City Council March 2013		
ACTION	EXAMPLE	TIMING
i) LOCAL ENERGY EFFICIENCY AMBITIONS AND PRIORITIES		
	<p>Portsmouth City Council's Cabinet agreed to sign up to Climate local in September 2012. Objectives will be delivered through the multi-agency Climate Change Strategy http://www.portsmouth.gov.uk/living/15773.html</p> <p><u>Carbon emissions</u> Carbon emissions in the city are 5.1 tCO₂ emissions per capita (2010) and 35% of these emissions are from domestic sources. This has reduced from 6.0 (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: http://www.portsmouth.gov.uk/living/28058.html</p> <p>An Energy Strategy for Portsmouth is due to be produced this year which will identify the opportunities for the city with regards to reducing demand, local energy generation and renewable technologies.</p> <p>PCC has a target to reduce its organisation carbon footprint by 30% by 2016/17. This target includes corporate buildings and communal housing areas but not our domestic housing stock.</p> <p><u>Fuel Poverty</u> The existing definition of fuel poverty suggests that 12.5% of residents are in fuel poor households, however, it is widely believed that the definition underestimates the problem. • There is an objective within our Tackling Poverty Strategy for - Better co-ordination of fuel poverty initiatives across the Council/other agencies (including links with greener homes agenda).</p>	<p>Ongoing</p> <p>2013/14</p> <p>2016/17</p>

	http://www.portsmouth.gov.uk/media/cab20110606r4app2.pdf	
	<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> <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>	Ongoing
	<p><u>Private Sector Housing</u></p>	
	<p>We are looking to achieve more efficient heating to at least 70 properties to reduce the impact of excess cold to the most vulnerable.</p>	2014
	<p>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 feasible under the new Housing Health and Safety Rating System (HHSRS), previously Housing Fitness Standard. We estimate that 120 households will benefit in 2013/14.</p>	On going
	<p>We will also work with private sector landlords to help in increasing the energy efficiency of properties. Currently we have over 120 landlords as part of the Landlord Accreditation Scheme, which includes ensuring the property is energy efficient as possible within 3 years. Looking to increase the number of properties as part of the scheme by 50%, in the next 6 years.</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>	
<p>Ensuring that any resident of Portsmouth will be in a position to access impartial advice in respect of the Green Deal program.</p>	2013	
<p>The Housing condition survey to be completed in 2013 will include areas on</p>	2013	

ii) MEASURES WE ARE TAKING TO RESULT IN SIGNIFICANT ENERGY EFFICIENCY IMPROVEMENTS OF OUR RESIDENTIAL ACCOMMODATION

<p>Green Deal and ECO</p>	<p>We have received Cabinet approval to proactively respond to the Green Deal concept through a local provider model called Solent Green Deal.</p> <p>The scheme is a joint venture with Partnership for Urban South Hampshire (PUSH). However, all Hampshire authorities have been invited to join. This will enable partnership working with 14 local authorities and we hope that at least 17,000 green deal assessments will be undertaken throughout the region within the next 5 years.</p> <p>The key objectives of the Solent Green Deal scheme is:</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>It is anticipated this scheme will be in place by June 2013.</p> <p>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 from participating local authorities.</p> <p>Marketing the Solent Green Deal: Includes the provision of a dedicated web site, interactive eco show homes and static energy saving homes and a mobile unit for use at specific events throughout the Hampshire region.</p> <p>A joint bid with Portsmouth City Council, Eastleigh Borough Council and</p>	<p>June 2013</p>
----------------------------------	--	------------------

	<p>Southampton City Council secured funding from the Department of Energy & Climate Change (DECC) Green Deal Pioneer fund, which has been invested in the following areas:</p> <ul style="list-style-type: none"> • a Hampshire Green Deal website • a ready reckoner for residents to undertake a quick and easy self-assessment of their homes • show home materials which will be moved between neighbourhoods and town centre locations • static show homes in Portsmouth • a marketing strategy, branding, a range of marketing material etc. all of which will be used to develop take up of the scheme <p>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.</p> <p>This will include:</p> <ul style="list-style-type: none"> • 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 is exploring potential funding that may be available from the ECO to fund the retrofit of high rise blocks and domestic hard to treat properties in the city.</p>	
<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</p>	

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.

- 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.

Thermal Map:

We have published and promoted a thermal image of Portsmouth which enables residents to see how thermally efficient their property is and directs them towards available support:

<http://portsmouththermalmap.bluesky-world.com/>

Private Sector Housing schemes:

- 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.
- Match-funding CERT funded insulation installations to provide free insulation for all residents.

The interactive show home will also be 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 will establish initial eligibility and signpost users to the Solent Green Deal project.

A static show home is being created along with a workshop in a vacant property which will be available for short-term lets to private homeowners. The aims of the show home are three-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.
3. To provide households with the experience of living in a property fitted with energy saving measures.

Local Authority Housing:

Local Authority Housing Service are showcasing a void property for retrofit measures which will be monitored externally to evaluate the effectiveness of the energy saving measures on the residents fuel bills. The property will be the first void property in the city to demonstrate the new set of interactive technology developed by Bioregional to promote energy saving to residents (part of the successful Green Deal Pioneer fund DECC bid mentioned above).

A team with the purpose of reducing energy in housing is being established. The team will cover the following areas of work:

- Training and education of frontline housing staff to deliver simple energy

	<p>advice to tenants.</p> <ul style="list-style-type: none"> • Behaviour change work with residents around saving energy in the home through the Green Neighbours project. • Energy saving advice work targeting tenants through specific housing teams e.g. voids, sheltered housing, planned maintenance and money advice. • Advice to client on effective energy saving measures for new build local authority housing projects. • Identifying potential grant funding and co-ordinating bids • Updating of relevant legislation that will affect future work programmes • Energy monitoring and evaluation of projects to inform future work 	
<p>Feed in Tariffs scheme</p>	<p>We have installed 54 PV installations to date with a total size of 130KWp across both domestic and operational 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>Zero Carbon Homes</p>	<p>To ensure the highest possible standards of sustainable design and construction in new development, we have a policy in our Portsmouth Plan (http://www.portsmouth.gov.uk/living/7923.html) 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://www.portsmouth.gov.uk/living/23686.html).</p> <p>We have promoted a recent development within Portsmouth at Copnor Green (http://www.radian.co.uk/images/stories/case_studies/copnorgreencasestudy.pdf) which includes code 4 and 5 houses and code 3 and 4 flats and held open days for developers and other interested organisations. The development is being used as a case study to demonstrate to developers good practice in design and also provide information on the costs for different code levels. The development has achieved the code levels through design and building fabric following PassivHaus principles rather than using a lot of complex, expensive technology. The aim is to show how high levels of energy efficiency can be achieved in small,</p>	

	<p>constrained urban infill sites, which are extremely common in a city like Portsmouth. The development is to be monitored over 2 years for energy efficiency and thermal comfort.</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>Useful learning will be used from the Radian homes and data from the Copnor Green development mentioned above.</p> <p>Proposed to build 170 new local authority houses and flats over the next 5 years. These will be designed and built to include appropriate energy saving benefits which take in to account residents' needs.</p>	
<p>EPCs</p>	<p>Private Sector Housing: We have implemented a new requirement to carry out an EPC on every property that receives financial assistance through the Housing Renewals policy. In addition an NHER assessment is carried out on relevant properties. Data from the EPC and NHER is collated to provide a record of carbon savings and SAP improvements city-wide. Over the last 12 months we have carried out 60 EPCs and made CO₂ savings of 18.5 tonnes. Moving forward, we will also collect data from Green Deal and ECO EPCs carried out through our Solent Green Deal project.</p> <p>Local Authority Housing: Every appropriate opportunity will be taken to produce an energy performance certificate for each of its properties and record this data in its stock base. An EPC is produced on every property that becomes void or is subject to a major key element change.</p>	

	<p>Predictably we undertake 780 EPC's 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>	
Minimum standards in the private rental sector	<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>	
Energy Monitoring	<p>Smart meters will be installed by each properties electricity supplier. Scottish and Southern Energy intend to start roll out at the end of 2013.</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 buildings. • 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. • Analyse stock database to identify high consuming properties that can be targeted for energy saving measures. • Roll out of heat meters to housing blocks - residents will in future be able to see and pay for what they consume rather than a standing charge. This will positively impact on behaviour and consumption levels 	Start end 2013
iii) MEASURES WE PROPOSE TO COST EFFECTIVELY DELIVER ENERGY EFFICIENCY IMPROVEMENTS IN RESIDENTIAL ACCOMMODATION BY USING AREA BASED/STREET BY STREET ROLL OUT.		
	As mentioned above the thermal map is being used through the Green	

	<p>Neighbours scheme to enable residents to identify their properties that are in need of improvement.</p> <p>Local Authority Housing: A recent 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.</p> <p>Proposal to install LED light bulbs in all common areas of flats and this may be extended to installation in all local authority housing void properties.</p> <p>Collective energy switching: Portsmouth are due to take part in a Hampshire wide collective energy switching scheme which will enable residents to access lower energy tariffs and reduce their bills.</p>	
iv) TIME FRAME FOR DELIVERY AND NATIONAL AND LOCAL PARTNERS		
	<p><u>Solent Green Deal</u> We are currently in the procurement stage to obtain a panel of providers for the Green Deal scheme. These providers will enable all types of Green Deal financing to be available to all residents in Portsmouth. We are also working with all Hampshire authorities to enable a county based single scheme, which will deliver 17,000 assessments within the next 5 years.</p> <p>Within Portsmouth: It is anticipated that this could generate £35,000,000 investment into the city's housing stock, with residents directly saving £5,100,000 on energy costs.</p>	

CO₂ savings within the city due to the investment have been calculated at 29,400 tonnes over 5 years.

It is anticipated that £12,000,000 of external funding would be invested into the housing stock, through the ECO and ECO Affordable warmth scheme.

Hampshire:

We believe the value of our plans within Hampshire over the next 5 years will be worth £107,000,000 to the local economy. This includes an estimated £57,000,000 of investment from the Energy Company Obligation.

"Warm Homes Healthy People Fund" awarded by the Department of Health.

Partner organisations:

- a. Hampshire and the Isle of Wight Community Foundation (HIOWCF)
- b. Portsmouth Public Health Service
- c. Community Action Portsmouth (CAP)
- d. Advice Portsmouth - a debt advice service

Relevant areas of activity

1. **Grants programme** led by Hampshire and the Isle of Wight Community Foundation and supported by Community Action Portsmouth - for voluntary organisations and individuals. Voluntary organisations have bid for a grant to develop small scale projects that support the winter warmth agenda.
2. **Outreach workers** undertaking home visits and providing advice on debt/benefits and home improvements. Acting upon JSNA and Thermal imaging data this pilot focusses on a community with an older population.
3. **Equipment programme** providing energy saving equipment through home improvements, green neighbours and telecare programmes, how to use advice provided.
4. **Awareness raising campaign** encouraging the uptake of available

	<p>provision and addressing under subscription. Building on locally recognised brand and social marketing approach agenda engagement and provision uptake will be increased.</p> <p>Anticipated numbers to be supported</p> <ol style="list-style-type: none">1. Grants Programme plus – Grants programme, 15 voluntary and community groups and 1,000 individuals/capacity build element, 150 vol/community sector organisations2. Outreach workers – 20 community groups and 50 individuals3. Equipment programme – 20 people to benefit from the logger, 400+ individual households to be issued with other equipment4. 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	
--	--	--

Signed off by Kathy Wadsworth
Position Strategic Director

