THE LONDON BOROUGH OF CAMDEN		WARDS: ALL
REPORT TITLE:	1st Revision of Heating Policy for the Council-owned Stock (Ref: HASC2008/21)	
DEBORT OF:	Director of Housing and Adult Social Care	

DATE: 11th October 2006 FOR SUBMISSION TO: The Executive

The Heating Policy was first approved by Executive in 2004, The Policy has been under review since September 2005, largely due to the increases in wholesale gas prices and the limited capital funds available to pay for energy efficiency improvements with which to offset these. The key issues covered by the Policy and discussed in this report are:

- · Camden's ongoing role as a Gas Transporter Charging arrangements in the Heating Pool
- Rising gas prices and the difference between Camden and domostic gas prices
- . The 'no opt out' rule for dwellings on communal heating and/or bulk gas supply
- The option appraisal methodology used to select replacement heating systems Options for promoting energy efficiency and conservation
- The report shows that the key conclusions of the 2003 review remain the same. Despite the

significant increases in heating charges, the price Camden pays for gas is still lower than domestic direct debit tariffs, and the average annual heating charge for tenants and issaeholders is still lower than the average annual London domestic gas bill. There is no immediate prospect of finding sufficient resources to install in dwelling metering to achieve energy conservation objectives, and there is still a strong case against allowing tenants and leaseholders to 'opt out' of a communal heating system or bulk gas supply. The 1st Revision of the Heating Policy therefore contains only minor amendments.

Local Government Act 1972 - Access to Information No documents that require listing were used in the preparation of this report.

Contact Officer

Oliver Myers, Head of Energy & Sustainability, HASC Renewal Division, Bidborough House, 20 Mabledon Place, London WC1H 9BF; tel: 020-7974-6370; e-mail: oliver.myers@camden.gov.uk

RECOMMENDATION That Executive: Agrees the 1st Revision of the Heating Policy contained in appendix 1.

Notes that officers will continue to review the issues and options and will discuss these with the Sustainability Task Force before considering how to take these forward.

Signed by Assistant Director of Housing & Adult Social Care:.. CL. TDL-9-00---(Catherine Illingworth)

Introduction

- 1. The Healing Policy for the Council-owned Stock was first approved by Ensorthiv in January 2004, and a commitment exem such that it would be enviewed on an annual basis, analysis of the enviewed on the consumble stock and the support of the enviewed on the survey of the enviewed on the environment of the enviewed on the environment of the enviewed on the environment of the environment
- 1.2 This report provides some background information on the management and operation of the bulk gas network before summarising the key orgoing issues of debate in this area. A 1" Revision of the Heating Policy is contained in appendix 1.

Background Heating systems in the council-owned stock

Treating systems in the countri-owned stock

- 2.1 The heating systems in the 33,000 council-owned stock comprise a mix of communal (12,300) and includual gas fired systems (20,200) with a small number of electrically heated properties (900).
- 2.2 15,300 (e8%) of three properties are served by Cemden's bulk gas network and Camdes in a Class Transporter as identified by the Gas Sabley (Management) Regulations 1990. Camdes is responsible for the management of the flow of gas through the entire reflexor, placed in the control of the control of
- 2.3 in 2000, Camdon submitted a Clas Safety Case to the Health & Safety Executive. This followed a comprehensive survey of all gar matter which established their prices to estable, their construction material and condition. A risk assessment prioritised replacement of all ductile tem oppowers, which is due for completion by 2010. Emergency sends and repair provision is provided by a specialist contractor under close supervision from Planned Martineanno Group.

Basis of the Heating Pool 2.4 Camden uses a procurement agent. Kent County Council (KCC) to tender fuel contracts.

- for the purchase and supply of gas to the 15,300 count-lowered dwellings on the bulk gas subsort." The healing and service charges collected from tenants and lesseholders are paid to the "Healing Pool", which is a self-financing accounting pool within the Housing Revenue Account. These charges include an element for Pool administration costs. The Pool was introduced in the 170% to achieve the following principles:
 - Falmess because tenants have no control over which district/estate/bick/property
 they are allocated, it was deemed unfair for tenants in one block to pay minor than
 tenants in another block for receiving identical healing services. Furthermore, as
 tenants have no influence over investment to the healing systems, fuel servings
 musting from energy efficiency congrammes are relaxed accounts the Pool.

Camden was ranked 3rd out of 27 authorities in London & the South East as part of an independent review of gas procurement, sponsored by the London Centre of Excellence and camied out by LB Hadrigay is 2005

- Protection the need to protect vulnerable tenants from high fuel bills, hence the
 procurement of fuel at bulk discount, with no VAT, and the flat rate charging regime.
- 2.5 Tenests pay a "filt rate" related to the standard of healing provided, the annual and daily availability of healing provided, the number of bedrooms, and, the combination of healing, hot water and gas cooking provided. Tenest healing charges do not include costs associated with the maintenance and repair of communal systems. These costs are paid for out of general Housing Revenue Account budgets.
 - 2.6 89% of the dwellings on communal heating have full heating. The remaining 11% have either 'partial' heating (1 to 2 heat emitters) or 'background' heating (heating to all rooms at a lower temperature).
 - 2.7 56% of communally healed and 92% of individually gas heated tenanted deellings in the Healing Pool have some form of in develoring healing outnot (either thimsundstar radiator valves [TRV6] or a room thermodels as minimum). 713 tenanted devellings on communal healing have full independent heating and hot water controls in develling (programmer and temperature control).
- 2.8 The majority of contral boilers are time-programmed via Boiler Energy Management Systems (BEKS), remainly controlled and monitorious of Pyramed Manhamena Group, 60% of communally heated tenanted devellings are on a 52 week heating regime and change, the firms of daily with 40% on a heating season on (33 week) regime and change, it forms of daily season of the control of t
- 2.9 Analysis undertaken in 2001 confirmed that the scales were logically formulated and broadly accurate. The ratio between heating, hot water and cooking costs is in line with byolan energy use for these services in the heating. Also, the changes increase in correct proportion to the number of beddoors, the lovel of heating service (partial, background and stiff set this level of distal and manual scalability).
- 2.10 Leaseholders' heating charges include a proportion of the actual fuel costs of their block, based on meter readings, and a proportion of the heating maintenance/repair costs for their block. Both of these heating charge elements take account of the number of bedrooms and the level of service to the dwelling. Leaseholders on the Pool are not charged VAT.

Energy efficiency of the council-owned stock

- 2.12 Camden's council-owned dwellings are more energy efficient than its private and housing association homes, with a SAP² energy rating of 60 compared to 58. However, despite being more efficient, Heading Pool indexlings consume on average 13% more gas than the average London home, because of the higher evaluability of heating and this fact that Pool users have less incentive to a wine energy than ecidents with in dwelling meters.

² SAP is the Government's recommended method for calculating the energy efficiency of dwellings. It is based on space and hot water costs at standard occupancy using a scale of 0-120, with 120 being best.

Warmth for All Scheme

- 2.13 Camden recolved a Bascon Council award in 2002-03 for its Affordshe Viternith Strategy, known as Wormfor For All witch holp reclaided his betti in formus to the less the capital for health and confect. Howards for Aff is a partnership between the Council, the Roth & West Loudon Emergy Efficiency Africk Council, Chemis Afford Council Council
- 2.14 The Warmth for All scheme involves an ongoing information campaign which promotes a freephone helpine offering free advise one saving energy in the home, keeping hardware and dry, choosing and changing faul suppliers, benefit entitlements; and, provides elipibility checks and reference for grants for healing and insubtion measures. The key schlewements of Warmth for All (for all homes in the borough) since its launch in January 2001 include the following:
 - Energy awareness sessions provided to 1,232 council staff, health and care practitioners, voluntary sector staff and community group representatives
 2,027 calls (from 1,551 different callars) have been made to the Warmth for All
 - Helpline. 31% of callers have been from non-white groups
 - 1,530 callers were referred for grants for heating and insulation
 922 homes (all tenures) received grants for heating and/or insulation
 - 922 homes (all tenures) received grants for heating and/or insulation
 14,000 energy efficient light bulbs and appliances have been distributed
 - 517 people were referred by the Helpline for benefits/money matters advice
- 2.15 This coming winter's compaign will include: a Walk for Warmth' event, taking place on chober 15", in partnership with Age Concern and 16 other local authorities; the launch of a Fuel Supplier Switching Affiling Deal (currently at tender stage); and, this inclusion of a grant promotion letter with Camden PCT's flu jab mailout to all residents aged 65 or over.

A summary of the key ongoing issues

Camden's role as a Gas Transporter

3.1 Transporting gas is not part of the Countils core business and was are threefore exploring whether the privale sector would be interested in Islang over the operation and maintaneous of the bulk gas notwork, possibly through the formation of a joint vertices energy period company (ISSCO) Each globacosters indicate bit of the lost on a liquid to read the lost of the counties of a point vertice and the lost of the los

Charging arrangements for the Heating Pool - flat rate charging vs individual metering

3.2 The Council's policy remains to retain the "flat rate" heating pool charging arrangements for tenants, rather than install in-dwelling metering and charge for actual usage, for the following reasons:

- Conservative estimates indicate that it would cost £15 million to install heat meters and the infrastructure/controls necessary to allow residents to manage their costs
- Meter reading and billing services would be chargeable to the Pool and would offset readent fuel bill savings.
- The heating scales that make up the heating charges are logical and accurate
 The Pool is broadly fair and protects the most vulnerable tenants from hardship

3.3 This is likely to remain the advice from officers until the Council is able to identify the resources required to finance the installation of individual metering and controls and a full upprade of the communal heating network.

Rising gas prices

- 3.4 Historically, Camden fevents and least-lockers on the bulk gas contract hive on average always paid least for their test than residents who pay for thair faid direct. Moreover, the distance of their contract of their contract and commercial rates and exempt from VAT, compared with formedic rates, has been wide enough to accommodate the Heating Pool administration costs and the extra consumption artising from flat rate charging and the consecuent historic drift and annual delement.
- 3.5 There was a big increase in just prices when the last pas contract was let in Aniumn 2005, as the price has the first of a clisual and projected increases in whoteleast gas part (000, contract price is bapply those until September 2007). This meant that the margin between the contract price is bapply those until September 2007). The manufal that the margin between the contract prices are supported to the contract that the margin has although only the contract that the contract prices between the contract prices are contracted to the contracted to th

Figure 1: Comparison between Camden and regional domestic direct debit gas prices

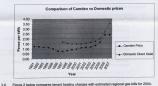
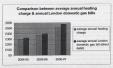


 Figure 2 below compares tenars nearing charges was southand regions use as a south 17. It shows that Pool tenants paid less for their gas than average London users, despite using 13% more gas.



3.7 At the time of writing, it is estimated that, despite using on average 13% more gas, teaseholders in the Hesting Pool are currently paying an average of £520 per annum for their gas, compared to an average bill of £567 per annum for the average London British Class direct debit outcomer.

Opting out of communal heating

- 3.8 Residents are not allowed to opt out of communal heating systems for the following reasons:
 - Allowing residents to opt out would lead to the district heating system becoming grossly oversized and inefficient.
 - Some systems run in 'series' rather than in 'parallel', with the result that changes to 1
 dwelling can have implications 'downpipe'.
 - Residual leaseholders on the communal system would have to pay a higher proportion
 of the costs associated with the maintenance of the centralised plant and infrastructure.
 - There are sometimes regulatory and technical issues preventing installation of individual boilers:
 - 40% of dwellings on communal heating are also supplied by the Coursel With gast for cooking and the Coursel in recognise for the supply of gas and for minimizance of the infrastructure. This picture th would have to be unified and minimizance of the infrastructure. This picture th would have to be unified to the Heatin and selectify Executive, Cumbin gave an undertaking not to increase the gas loading on the built gas network.
 There may be a reason of fluints constraints: there are recognitions preventing
 - Individual boilers from being discharged into communal flues; there may be planning objections relating to external flues in conservation areas; or, warranties on external cladding systems may be compromised

Opting out of bulk gas supply

3.9 The Council does not permit individual tenants and leaseholders from opting out of the bulk gas network and switching to an individual supply. This is because a separate gas supply

would need to be run in parallel to (and typossing) the Council's bulk gas meter. This proposed would have to be installed by National Other (formerly Transco) and guid for by the Cauncil or issueholder. The costs of fuel for the resident would sledy be more expensive with the new supplier. Breaking up the Pool would have knock or effects on the fuel price for remaining users including other corporate users, through the reduction in bulk negotiating power.

Heating option appraisals - individual vs communal heating

- 3.10 The Council assesses heating options based on their whole life cost, taking account of applid, maintenance and replacement costs over a 25 year period. The selected option is determined by the least negative neit present value (NPV). Whole life cost option appraisate are used to take account of future investment requirements and to achieve value for money for the Council over the long term.
- 3.11 Heating option appraisable level for recommend the referrible and supparating of communal systems staffs then conversion is bardward bardiary. When conversion is bardward bardward systems, the control for the contr
- 3.12 Owing to the current task of explain funding and the investment gain required to bring the communal healing infrastructures to pot scratch, there is a neismin between scheiding district term and long letter financial objectives, particularly where an option with the lesst required NPV over 25 years requires the term capital by frost. The Neiding Option Proprietation of Methodology, and in particular the whole like only of present in the Neiding Option Proprietation of the Neiding Option Proprietation of the Neiding Option Proprietation of Neiding Option Proprietation Propri

Achieving affordable warmth and combating climate change - energy efficiency

- 3.13 Financial pressures on the capital programme have led to insufficient capital funds being available to finance energy efficiently improvements to built gas healing systems, with funding having to be prioritised for essertial security of supply and health and safely measures. This has meant that we have had to consider atternative approaches to require fluid usage in the Dool, and these are safe out below.
 - In assistation Programme. The Council routinely installs self and of the insulation wherever feasible when blocks are sunfolded as part of the Resisting the Standard (RTR) programme. The costs are net from the C.1 im 2003-11 insulation Programme. Further to this, we have recently let a decidated content, criswing on this funding, to install content in the cost of the content of the content
 - i) Investigation into the use of prudential borrowing to fund additional energy efficiency measures in 2005-16 M. & E Capital Programme schemes. Whils the M & E district heating budget for 2005-10 has had to prioritise investment in security of supply and heating and selections, flexibility soldice on programmed additional supply and heating and selection of the selection of the selection of the efficiency measures, such as in deselting controls, the costs of which would be melt from flavors swings arising from reduced flavor and meltinance costs.

ii) Installation of boiler energy management systems (BLMS), 70 aud of the 91 boiler bouses on the Overs' contract (like overs the largest healing states, consuming 67% of all fael used on the whole built gas network) now have boiler energy management systems (BLMS). These are intelligent boloth/curren ranagement contract that reduce unnecessary firing of burners and exercise styleter control on temperatures. This is on ongoing organisms which above the uncertainty the end of 2000. Beliefs lead to the completely group arms which above the uncertainty the end of 2000. Beliefs lead to the completely group arms which above the uncertainty the end of 2000. Beliefs lead to the completely group arms which above the uncertainty the end of 2000. Beliefs lead to the completely group and on the 2000 Beliefs lead to the completely group and on the 2000 Beliefs lead to the contract of the end of 2000. Beliefs lead to the complete of the end of 2000. Beliefs lead to the complete of the end of 2000. Beliefs lead to the complete of the end of 2000. Beliefs lead to the complete of the end of 2000. Beliefs lead to the complete of the end of 2000. Beliefs lead to the complete of the end of 2000. Beliefs lead to the complete of the end of 2000. Beliefs lead to the complete of the end of 2000. Beliefs lead to the end of 2000. Belief lead

Achieving affordable warmth and combating climate change - energy conservation

3.14 Due to insufficient resources to fund individual metering, which is clearly the most effective way to incertifixe residents to save energy, we have explored atternative approaches to promoting energy conservation (in reducing consumption through changes in behaviour) that are likely to produce tanglete results. These approaches are summarized below.

Option 1: Changing the heating regimes of blocks from 52 weeks to heating season only.

3.15 This option has been examined but in not being recommended. Availate of summer monthly meter exellings not 50 work late has shown for not everage, notify 50 of concust feel usage is used for space heating over the summer period (this is largely due to the fact that the BEAS controls shut down the unitable lates when external temperatures rise to 21°C; The savings would herefore not justify the substitution that the savings would herefore not justify the substitution between the production of the product

Option 2: Incentive scheme to encourage tenants to use heating controls

3.16 Another option that has been considered is a healing change mebale scheme. Blocks could be monitored and where teamers use less fault, appropriation of the reduction in fact costs could be pold as a related inductly to the benemit occupying these blocks, with the option of another propriorito being or less that for the propriation between the fault and the fault and contain the fault and administration of the fault of the propriation of the fault and the fault of the

Option 3: Changing the heating regime from 24hrs a day to 3 hrs night setback from 2.00am to 5.00 am in the 2,563 communally heated homes currently on full heating 24hrs a day

3.17 If Implamented, this would apply be all community heated destings on other on N scale (full heating, 500 weeks, 24 here a dry), and weeks, 24 here a dry), desting bad the heating to 25 hours presently all some and the scale of the

3.18 Whilst this option was recommended to, and supported by, DMCs in a report in June 2005, it has since been called into question due to noise issues. The heating up and cooling down of pipe work causes it be expend and contract, which can create noises which disturb residents' sleep. We are therefore reviewing the feasibility of this option.

Option 4: Energy awareness campaign

3.19 We will be running a campaign to raise awareness of the fact that, whilst tenants who use their heating controls do not benefit from a direct reduction in their heating charge, the use of heating controls in 7,000 tenanted dwellings on the bulk gas network could reduce overall consumption by as much as 18%, which would in turn reduce the scale of future increases in heating charges. Rather than offering a direct rebate, a prize will be awarded to the estately that conserves the moof energy.

4 Finance comments

- 4.1 Since 2004/05, large increases in contract prices for gas have meant that charges to tenants have increased substantially. In February 2006, Executive approved an average increase in healing charges of £2.81 per week for 2006/07 from 3rd April 2006. The average weekly hosting charges in 2006/07 is now £3.82 per week.
- 4.2 New contents for the supply of gas commenced in August and September 60 for low years. The cost of supply to relatively high use sites fire "over" contents) greater 94.6.5%, whate the lower use sites (the "under" content of content of the "over" content of the "over "over
- 4.3 Investment options requiring prusential borrowing would need to be agreed by Executive as part of the council's overall capital strategy.

Legal Comments

6.1 In respect of Council reseals locating stock that is list or sozone fearnises, the Council is statisticy obligate pursamet to social not if at the Landsock Termal Act 1868 to keep in repair and propor societing order the installations in the scenistics for the supply of service and the service of the supply of the service of the supply of the service of the service of the supply of the service of the

Annendix 1 - 1st Revision of the Heating Policy for Council-Owned Housing

Scope

This Policy applies to all 33,000 council-owned homes, covering both tenented and leasehold dwellings and individually and communally heated properties. The Policy was first approved by Executive in January 2004

and is reviewed annually. Aims and Objectives

The Council is committed to providing council homes with affordable, controllable space and water heating systems that are easily and economically maintainable, that provide value for money and that contribute to the Council's energy efficiency and environmental targets.

In order to achieve these aims, the Council will:

- 1. Invest in heating improvements according to the following priorities: i) Measures required to ensure health and safety and security of service
 - Deplacement of individual open-flued appliances with modern bollers III) Replacement of individual and communal warm air heating with wet contral heating
 - iv) Conversion of communal sites with less than 10 dwellings to individual systems v) Uporade of partial and background communal heating to full communal heating
- 2. Explore prudential borrowing as a means to finance additional energy efficiency measures in the communal heating network, including reconfiguring pipework to enable the installation of in-dwelling heating controls and possibly the addition of combined heat and power.
- 3. Undertake a 'whole life cost' option appraisal when considering improvements to whole block heating. The selected option will be determined by the least negative net present value (NPV). Where the NPV of 1 or more actions are within 5% of the lowest cost option, the recommendation shall be determined using an economic, social and environmental impact assessment.
- 4. Continue to explore ways to divest our transportation and management responsibilities for the bulk gas petwork.
- 5. Continue to retain existing heating pool charging arrangements for secure tenants and block-based charges for lesseholders, but also continue to explore methods of financing the installation of meters and heating controls in dwellings.
- 6. Continue to monitor the difference in cas prices between the Council's commercial bulk purchasing contract and London domestic gas rates in the unlikely event that residents become disadvantaged through participation in the Heating Pool, and to take advice from energy specialists to determine our gas procurement strategy.
 - Continue to prevent individuals from opting out of the bulk gas network for their heating, although they will be allowed to switch their cooking supply to electricity and have their heating charges adjusted accordingly. We will, however, assess the cost-benefits of removing certain expensive sites from the network following full appraisal.
- 8. Not allow tenants and lesseholders with communal heating to be disconnected from the communal heating system or install their own individual gas heating system, unless an options appraisal shows that it is better for the whole block to be disconnected and switched to individual systems. This will not be applied retrospectively to leaseholders who acted with Council permission, but any leaseholders who determine an appropriate course of action. Leaseholders may however install additional electric heating. 9. Develop a robust and transparent policy relating to the specification of individual heating systems
- inclusion consideration of when system or combination boilers are most appropriate.
- 10. Ensure that all individual heating improvements comply with Part L of the Building Regulations.