

Enfield Heat Mapping Study

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Table of Contents

1	Executive Summary	3
2	Introduction	5
3	Data Collection	10
4	Data and Mapping Analysis.....	19
5	Implementation Plan	38



Executive Summary

1 Executive Summary

AECOM were commissioned by the London Borough of Enfield to undertake a heat mapping assessment of the Borough to support the development of the London Heat Map.

The London Heat Map aims to identify areas with high heat demands that could support the development of district heating networks. Such networks can enable the efficient delivery of low or zero carbon heating, thereby reducing the CO₂ emissions of energy used in buildings for heating.

The study involved the following steps:

- Collection of actual energy data for heating from as many buildings as possible within the London Borough of Enfield to improve the accuracy of the London Heat Map;
- Assessment of the information collected to identify clusters of buildings with significant heat demands that could have the potential to support district heating networks.

Data on energy consumption was collected from publicly available sources such as the National Indicator 185 (NI185) database, which includes the metered data from all local authority run buildings. Other public and private owners of key buildings in the Borough were also approached with a request for metered energy data. Although a number of organisations were not able to provide information within the project timeframe a database was compiled with a significant amount of actual energy consumption data relating to key buildings within the Borough.

As a considerable amount of new development will be taking place in the Borough in the near future, the energy consumption of the proposed buildings also needed to be considered. Details of the location, type, scale and timing of proposed developments was provided by the London Borough of Enfield based on the development projections set out in the Core Strategy of the Local Development Framework. Models and benchmarks were then used to predict the energy demands from this future development.

The data collected was used to generate maps showing the location of the buildings, the building type and the scale of the annual heat demand. The aim of this map was to highlight the areas where buildings and building types with the highest heat loads are concentrated.

The maps produced were used to identify clusters of buildings with large annual heating demands within the Borough that could have the potential for the developing of district heating networks. The clusters identified in this initial assessment were as follows:

- Innova Park
- Southbury
- Ponders End
- Enfield Town
- Edmonton Green
- West Leaside
- Meridian Water
- Palmers Green
- New Southgate
- Cockfosters

These clusters were then assessed to review the relative potential of each, looking at specific advantages and disadvantages in each of the locations and quantifying the cumulative heat demand of the buildings within them. This information was used to prioritise the clusters and highlight potential barriers or actions necessary to allow the delivery of district heating networks in these locations. The clusters at Ponders End, Enfield Town, Edmonton Green and Meridian Water were considered to be of high priority, the clusters at Innova Park, West Leaside and New Southgate were classified as medium priority, and the remaining clusters were classified as either medium/low or low priority.

An outline implementation plan is presented in Section 5 of this report, which sets out the next steps for taking forward each of the medium and high priority clusters.

Introduction

2 Introduction

2.1 Background

AECOM has been commissioned by the London Borough of Enfield to carry out a heat mapping exercise of the Borough as part of the London Development Agency's (LDA) Decentralised Energy Master Planning (DEMaP) programme.

The DEMaP programme is part of the strategy to meet the Mayor's target for 25% of London's energy supply to come from decentralised energy by 2020 and is responsible for the development of the web based London Heat Map.

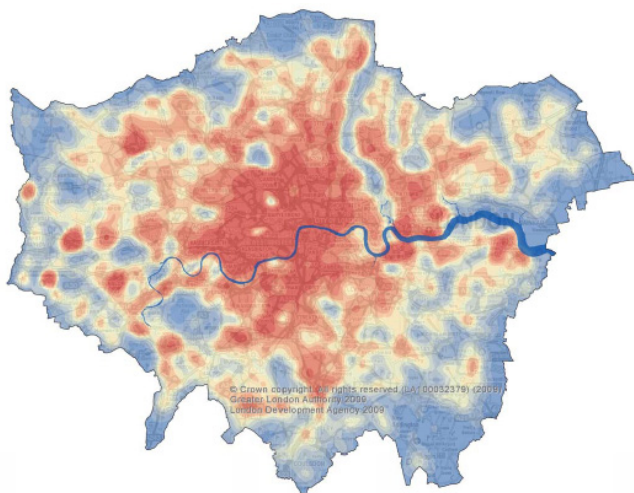


Figure 1: London Heat Map (courtesy of LDA)

The London Heat Map is currently mostly based on estimated energy data and the aim is to improve the accuracy of the map by replacing the estimated data with actual metered data wherever possible. In order to achieve this, the LDA has made available some funding for Boroughs to gather actual energy data and identify sites with potential for district heating (DH) networks within their boundaries.

The heat mapping study is only Phase 1 of the LDA's strategy to support Boroughs in promoting decentralised energy systems. Further funding will be made available for two more phases on successful application by the boroughs. Phase 2 will focus on carrying out a feasibility study and delivery and

procurement strategies for the site(s) identified as having the highest potential for district heating. Phase 3 will focus on the financial, legal and procurement options available for the delivery of the preferred site.

2.2 Content of this report

This report summarises the methodology and outcomes of the heat mapping exercise carried out for the London Borough of Enfield and includes:

- Details of the data sources used and methodology of data collection
- Graphical representation of data gathered
- Methodology used for data analysis
- List of priority sites and implementation plan

This study differs from DeMAP studies carried out in other Boroughs because the scope aimed to bridge the gap between work already undertaken in the Borough and the data collection and cluster identification process required for the first stage of the London DeMAP project. To avoid duplication this report does not cover the basics of setting up a District Heating Network, the infrastructure requirements, delivery mechanisms and funding options because these are all covered in the Enfield Renewable Energy and Low Carbon Development Study. Further details relevant to the energy infrastructure opportunities in the Borough are also contained in the final report from this study which is available on the Council Website.

2.3 Renewable Energy and Low Carbon Development Study

This study follows on from the Renewable Energy and Low Carbon Development Study, produced by AECOM to support

policies included within the Core Strategy of the Local Development Framework aimed at delivering low and zero carbon energy technologies and reducing the CO₂ emissions from new developments. This report aims to translate much of the data and information previously collected into the DeMAP format and to complete the same processes as other Boroughs in identifying the priority clusters.

The Renewable Energy and Low Carbon Development Study included mapping of heat demands across the Borough using census and valuation office data to establish the number, size and type of buildings and modelling to estimate the heat demands of each. The heat demands were then converted to a heat density for each lower super output area (LSOA). Areas with a heat density of greater than 3000kW/km², the density highlighted in the DECC study on the UK potential of district heating systems as a possible identifier for suitable locations, were identified and mapped.

The following page shows the main Energy Opportunities Plan for the Borough.

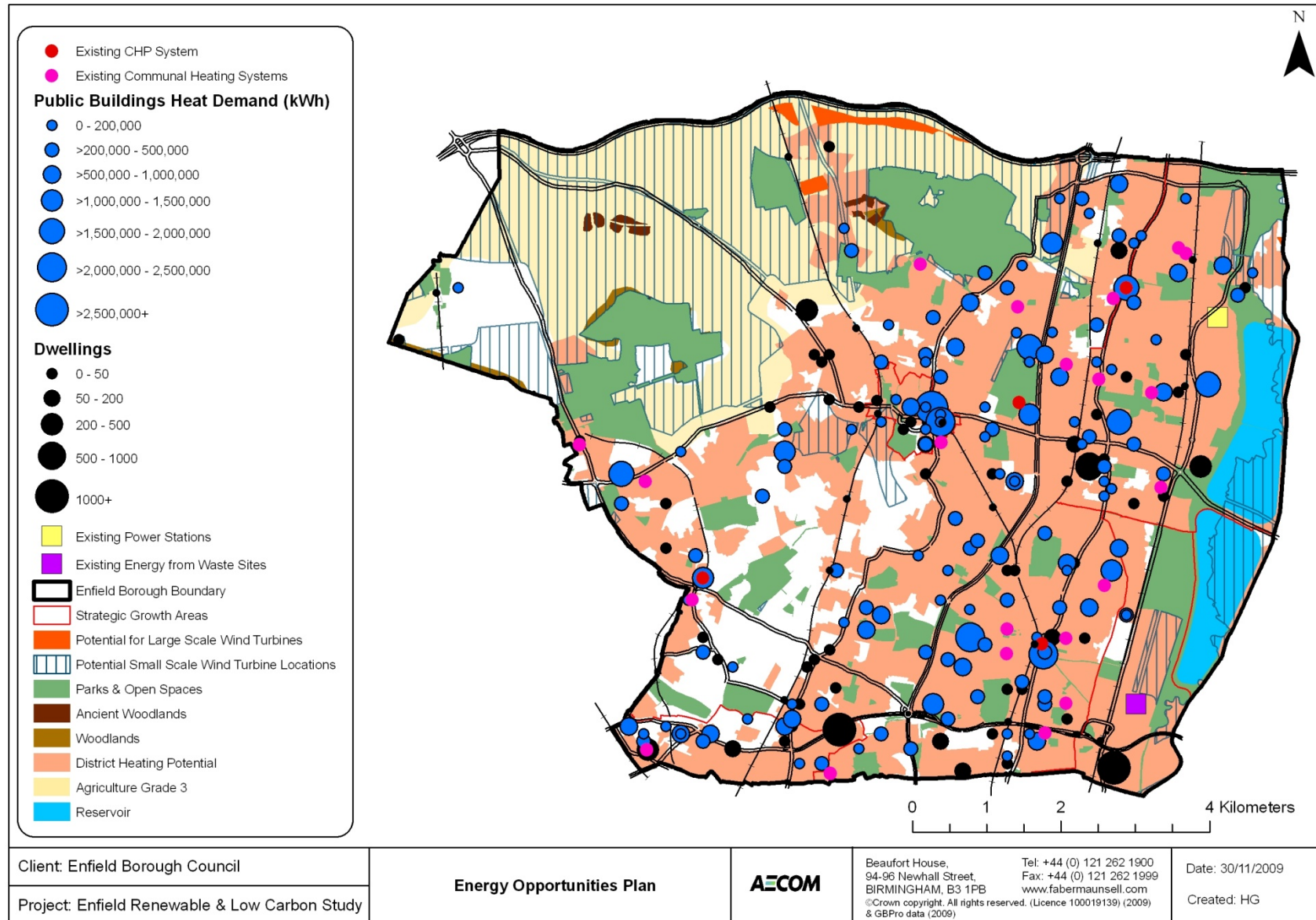


Figure 2: Energy Opportunities plan from the Low Carbon Development and Renewable Energy Study (AECOM)

2.4 Other studies

The London Development Agency has produced an Energy Masterplan for the Upper Lee Valley Opportunity Area, which covers a significant part of the eastern edge of the Borough. The findings and recommendations of this report, which has not been published at the time of writing, will be of importance to the development of district heating networks within or adjacent to this area.

A study has also recently been commissioned by North London Strategic Authority to assess the opportunity to deliver decentralised energy across the Upper Lee Valley over the next 50 years. This study is likely to look strategically at the opportunities to connect district heating networks within the London Borough of Enfield to the Eco Park, Enfield Power Station and Kedco Gasification Plant.

The outcomes of this study, which are expected by summer 2011, may influence the decisions and recommendations made in this study and will need to be borne in mind when planning the next steps for district heating networks within or adjacent to the Upper Lee Valley.

Data Collection

3 Data Collection

3.1 Approach

The aim of the project was to collect actual energy demand data from key buildings across the Borough and to add these to the DeMAP Data Collection Template provided by the LDA. This spreadsheet will allow the data to be easily uploaded into GIS and used to update the London Heat Map.

For existing and proposed buildings the template required the following information to be collected:

- OS grid references
- Name and address of site
- Ownership of building
- Whether the building is proposed or existing
- Type and age of building
- Type of heating system and fuel
- Fuel consumption (MWh/year)
- Gross internal floor area
- Installed capacity (thermal and electrical where combined heat and power [CHP] is present)
- CO₂ emissions associated with fuel consumption (tCO₂/year)
- For new development – construction start and completion year
- Year of data collection
- Data source
- Confidentiality of data

The data for the existing buildings was collected from the owners and operators of those buildings while data for new development was generated using projections and benchmarks.

Additional information was also sought on existing district heating, communal heating and heat supply within the Borough.

The aim was to collect as much of this information as possible, from as many buildings as possible. Given the wide scope of this exercise and the relatively short timescale, the search prioritised large buildings that were likely to have high heating loads. Public buildings were of particular interest as they are required to lead the way in terms of energy improvements and are more likely to be able to enter into long term energy contracts and therefore are more likely to provide anchor loads for district heating networks.

The search focused on the following building types:

- Hospitals
- Central government estate
- Local government estate (including social housing)
- Sport & leisure facilities
- Prisons
- Hotels
- Educational facilities
- Museums & art galleries
- Churches
- Private residential developments
- Private commercial developments
- Other public buildings (e.g. theatres, fire stations, police stations)

3.2 Major heat loads - Existing buildings

Various institutions were contacted that were known to centrally collect energy consumption data for their estates. Other large individual buildings were identified looking at maps

of Enfield and contacting building owners directly to ask for their energy consumption data.

Contact was made via phone and email and follow up calls were made over the data collection period. The process was only partly successful as a considerable number of people contacted were not able to provide useful information within the required timescale or chose not to share their energy data.

Given below is a summary of the main institutions contacted and data obtained for the various building types listed above.

Building type	Contact	Data source
NHS	Middlesex Hospital Chase Farm Hospital	Metered Data
Central Government Estate	No data obtained	n/a
London Borough of Enfield Estate	London Borough of Enfield	NI 185 data for civic buildings, schools, libraries and community buildings
Sports and Leisure	London Borough of Enfield	Metered data from LA leisure centres (now privately owned)
Prisons	No significant/relevant buildings identified in the Borough	n/a
Hotels	Several hotels contacted	No data obtained
Educational facilities	London Borough of Enfield Major private schools	NI185 data Other data received from individual schools contacted

Museums & art galleries	London Borough of Enfield	Metered data
Residential	Enfield Homes London Borough of Enfield	Metered Data for communal heating systems
Private commercial buildings	Various contacts	Metered Data
Theatres and other public buildings	London Borough of Enfield	NI 185 data for civic buildings, schools, libraries and community buildings
Fire stations	London Fire Brigade	Collected centrally by LDA
Police stations	Metropolitan Police	Collected centrally by LDA

Table 1: Summary of main data sources for existing buildings

It was not possible to source a significant amount of energy consumption data from Registered Social Landlords in the Borough within the timescales of this project. However, some data was obtained from the London Borough of Enfield for several communal heating systems where it is responsible for the payments and billing. If further data becomes available to the London Borough of Enfield or the London Development Agency, it can be added to the London Heat Map at a future date.

No significant estates with electric heating were identified in the study but it is likely that there are some electrically heated properties within the Borough. It was not possible to obtain this information by other means within the timescale of the project and therefore at this stage the electricity consumption from all other estates was assumed to be for lighting and appliances and not included in the DeMAP Data Collection Template. If

details of dwellings with electric heating becomes available in the future then this information will need to be updated.

3.3 Major heat loads - Proposed new buildings

The major development within the Borough over the lifetime of the Local Development Framework is predominantly expected to arise within the five Strategic Growth Areas listed below.

- North East Enfield
- Central Leaside
- North Circular
- Enfield Town
- Edmonton

Area Action Plans outlining the proposed framework for each of these areas are being taken forward by the Council and these are at various stages of development. Within each of the Strategic Growth Areas, a Place Shaping Priority Area has been identified, which will be the main areas for new development (see Figure 3).

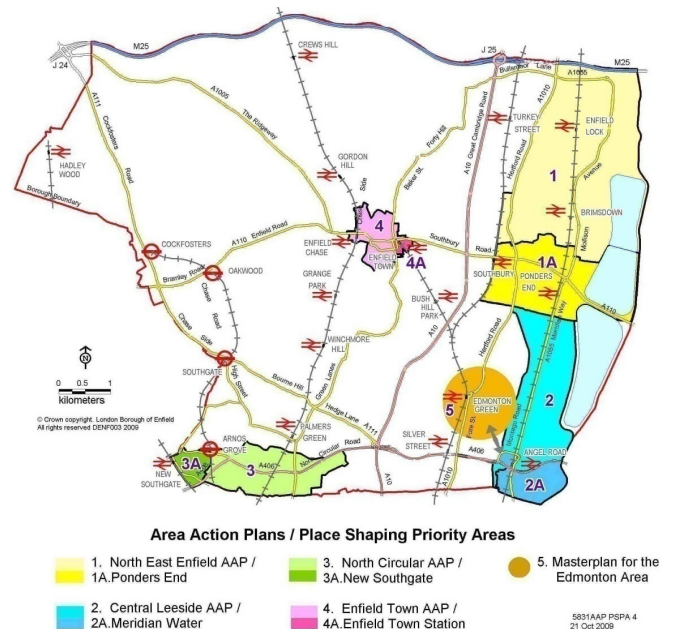
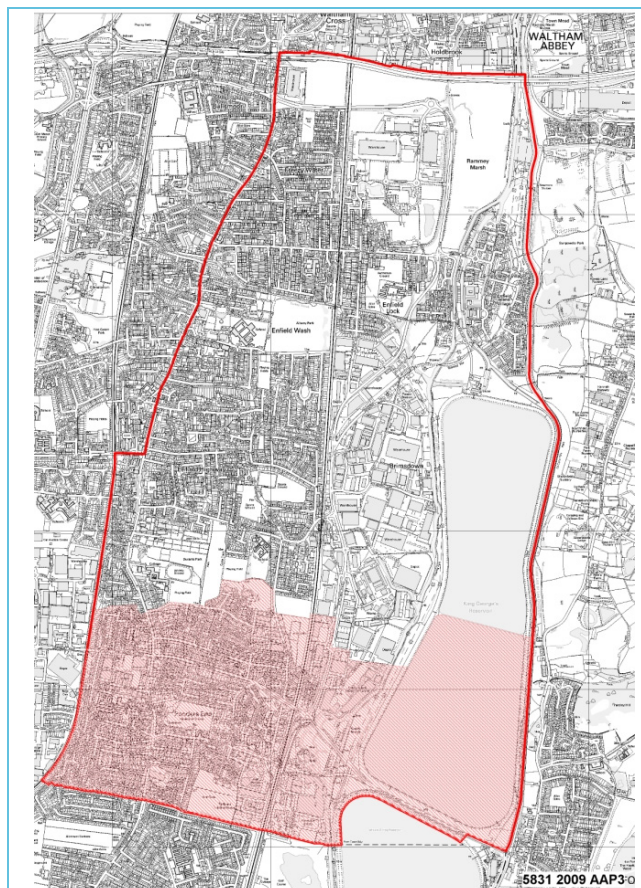


Figure 3: Strategic Growth Areas and Place Shaping Priority Areas in Enfield

The following pages outline the proposals for each of the Strategic Growth Areas and Place Shaping Priority Areas, excluding Edmonton.

3.3.1 North East Enfield



Incorporates Middlesex University site, Columbia Wharf and Brimsdown

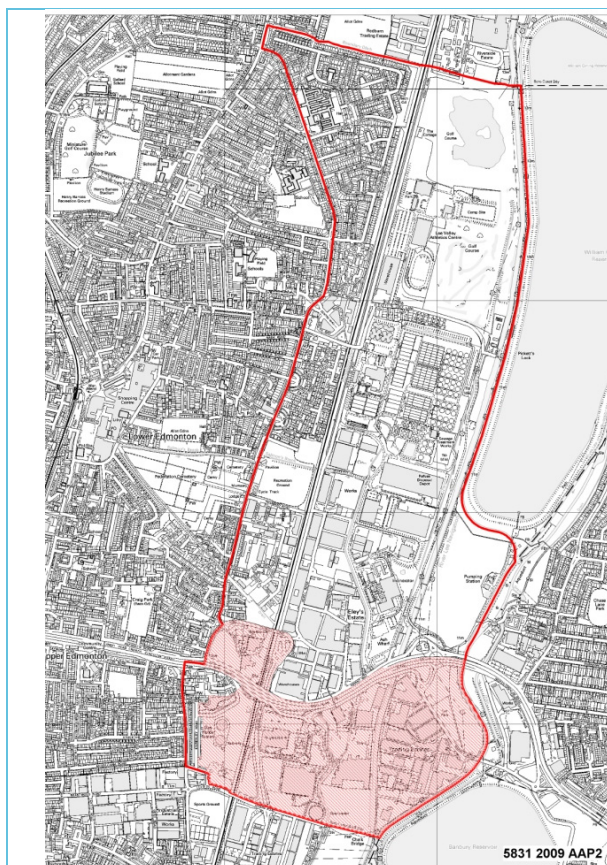
The Area Action Plan aims to enhance the existing local centre

Up to 1000 new homes are planned by 2026

A new academy and community facilities are expected

A mixed use community development is expected at the southern part of Brimsdown to incorporate new employment, leisure uses and a residential community at Ponders End Waterfront.

3.3.2 Central Leaside



Edmonton Eco-Park is to be retained as a strategic waste facility and will incorporate energy-from-waste technology

The Area Action Plan aims to create an entirely new community at Meridian Water

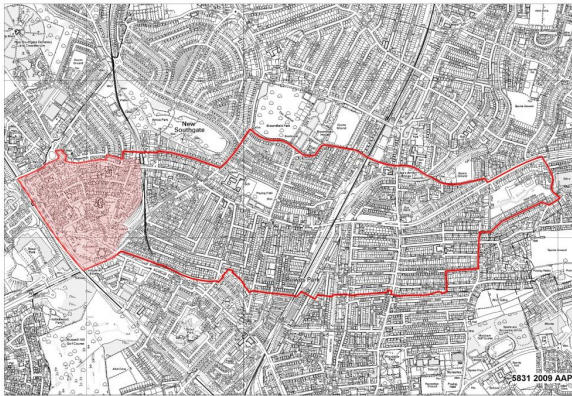
Around 5000 homes are planned by 2026

The housing is to be of high quality and energy efficient

New schools and a new local centre are proposed as well as a new health facility, library, community uses and shops

Flood risk has been identified as a key issue for the proposed development

3.3.3 New Southgate



There is a specific emphasis on dealing with noise and air pollution, daylighting and flooding in this area

Around 1500 to 2000 new homes are planned by 2026, comprising predominantly of family sized dwellings

It will also involve the redevelopment and refurbishment of existing buildings

The development plans aim to improve the North Circular and minimise its impact on new development

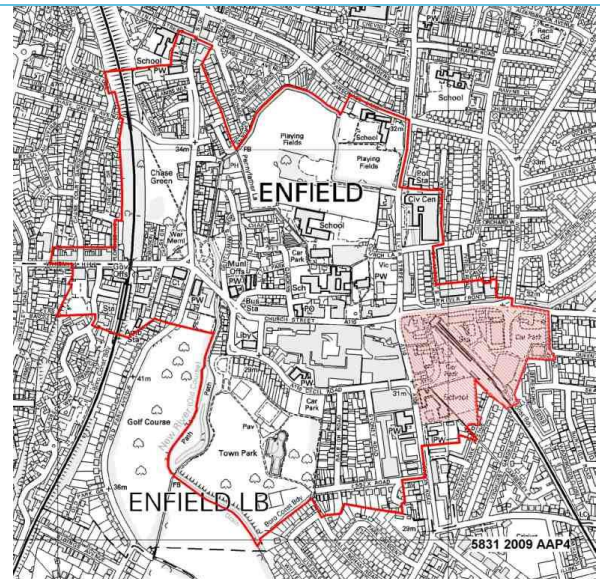
Exemplary sustainable houses are planned

A mixed use redevelopment is planned at New Southgate which aims to renew the Ladderswood Estate

The proposals also aim to create a 'Western Gateway' site with employment, retail and commercial uses

There is also scheduled to be a partial redevelopment of New Southgate Industrial Estate to link with the Ladderswood Estate and focussing on improvements to the quality of the remainder of the estate

3.3.4 Enfield Town



The plans aim to deliver a higher quality evening environment

New leisure and civic uses are proposed

A landmark development is planned at Little Park Gardens

There is a focus on improved access, open spaces and infrastructure

Retail led mixed development

Improved public transport interchange

The indicative plans include provision for around 10,000sqm retail space, community uses and 500 new homes

A need for additional education facilities has been identified

A possible relocation of the railway station further down the tracks has been suggested, incorporating a bus station from Little Park Gardens

Need to respect the nearby conservation area

Heat mapping the proposed buildings required a prediction on the likely scale, type and phasing of development within the Borough. All of this is highly speculative because, although the Local Development Framework sets out development sites, the current financial and property market situation will have a significant effect on the delivery of new development in the Borough, particularly the timing.

The following information on proposed development sites was provided by the London Borough of Enfield:

- Site name
- Site location
- Number of dwellings
- Type of building for non-domestic uses
- Start and end date of development (or development period i.e. 0-5 years, 5-10 years etc.)

For developments where only a development period was available the timing and phasing was estimated

Benchmarks were used to associate energy demands with the proposed buildings. For domestic buildings the benchmarks are based on energy modelling carried out for typical house types averaged according to the housing mix expected in Enfield. Different benchmarks were used for different phases of development to take account of the minimum fabric improvements that will be enforced by future revisions of the Building Regulations. The building specifications used in the modelling are based on work carried out by the Zero Carbon Hub¹ and are expected to meet fabric efficiency levels likely to be required by future revisions of Building Regulations in 2013 and 2016.

For non-domestic buildings the benchmarks are derived from CIBSE Guide F and are the best practice figures. It has been assumed that the energy demand benchmarks will not change

in future years and that the necessary carbon savings will be achieved by low and zero carbon technologies rather than efficiency improvements. It was necessary to make this assumption because there is still considerable amount of uncertainty around proposed future changes in Building Regulations for non-domestic buildings.

3.4 Existing district and communal heating systems

Data on existing communal heating networks was obtained from the facilities management team at Enfield Homes and the London Borough of Enfield, who arrange for the payment of the energy bills.

The following table shows the properties that were identified and the information received on each

Enfield Homes Area Designation	Property Name	Boilers	Dwellings served
Edmonton	Cornerways	3	Not Known
Edmonton	John Adams House	2	39 flats
Edmonton	Len Warren House	2	22 flats
Edmonton	Newstead House	5	24 flats
Edmonton	Rushleigh House	5	46 flats
Edmonton	Scott House	3	Not Known
Eastern	Alma Road	4	Not Known
Eastern	Dean House	6	30 flats
Eastern	Durrants Lodge	2	34 flats
Eastern	Johnby Close	2	32 flats
Eastern	211 Ordnance Road	2	Not Known
Eastern	Ringlewell Close	2	39 flats
Eastern	Westcroft Close	2	19 flats
Western	Bliss House	4	Not Known
Western	Bramley House	5	30 flats
Western	Buckfast House	6	25 flats
Western	Chaddlewood	2	91 flats
Western	Curtis House	3	Not Known
Western	Edith Simpson House	2	Not Known
Western	Elmcroft	1	Not Known

¹ Defining a fabric energy efficiency standard for zero carbon homes (November 2009)

Western	Fairweather	4	23 flats
Western	Pruda House	2	28 flats
Western	6 Rosenheath Walk	1	Not Known
Western	William House	2	30 flats
Western	8 Woodlands Road	2	Not Known

Table 2: List of properties managed by Enfield Homes which have communal heating systems

3.5 Existing CHP

Details of existing CHP systems was obtained from the Council and other building owners contacted during this study. The information collected is shown in Table 3 below.

Location	System specification
Albany Leisure Centre	2 x 40kWe
Southbury Leisure Centre	80kWe
Edmonton Leisure Centre	70kWe
Southgate Leisure Centre	80kWe
North London Clinic (Edmonton)	System specification unknown
Johnson Matthey (Brimmsdown)	3MWe
Deephams Sewage Treatment Works – Thames Water (Edmonton)	3MWe

Table 3: List of known CHP systems in Enfield

3.6 Other possible heat sources

Work was undertaken as part of the Enfield Renewable Energy and Low Carbon Development Study to assess the potential of obtaining heat for district heating networks from a number of existing and planned energy generating sources within the Borough, the findings are reproduced here.

3.6.1 Edmonton EcoPark

The London Waste site at Edmonton currently houses an incinerator that generates electricity from waste collected from

the 7 boroughs that make up the North London Waste Authority. The London Waste Incinerator was built in 1970 to provide 35MW electricity through a steam turbine driven generator. The current view is that the plant will continue to operate until around 2020 when it will probably be replaced. The intention is that the site will remain as some form of waste handling site with energy from waste facilities, although the form of these is unknown at this time. Options being considered for the site at present include the replacement of the steam turbine incinerator at the end of its use with mechanical biological treatment (MBT) and aerobic digestion (AD).

Due to the current plants short lifetime, and uncertain future, it is probable that the short term options for district heating using waste heat from the site are minimal. Although the presence of the current plant could act as a catalyst for a district heating scheme to be delivered on the neighbouring sites and in the longer term, particularly for larger strategic development in the neighbouring areas, this link might become possible and should be explored.

The NLWA's proposed strategy for the new waste treatment plant divides the procurement into two separate contracts, one for the main waste services and one for the use of the solid recoverable fuel (SRF) that will be the main output of the facility.

The Authority's outline business case is based on a technical study, which included a wide ranging analysis of the possible technological options available. The proposed reference project was for MBT and AD with the production of a Solid Recoverable Fuel (SRF) to be developed across a number of sites in the Authority's ownership. The proposal for the Edmonton site is for a 345ktpa MBT/AD and 112ktpa AD. All new facilities are operational from April 2016. Additional to the new facilities, the operational life of the Edmonton energy facility would be optimised to extend its life to 2020 and the existing 30ktpa composting system will continue as normal.

To use the SRF produced by the MBT/AD facilities, a CHP SRF facility will be established and operated by a third party, becoming operational in April 2017. In theory the heat derived from this plant could be used to supply a district energy network.

At this stage in the process there is still a significant amount of uncertainty associated with all aspects of the future of the EcoPark. Although the reference project has been put forward in the business case, bidders may propose different technologies and also sites.

3.6.2 Enfield Power Station

The Enfield power station owned by E-On comprises a 400 MW single shaft Combined Cycle Gas Turbine (CCGT) and will have a relatively high electrical efficiency (estimated at circa 45%) but has not been designed for heat extraction.

In theory the station will have circa 400 – 500 MW waste heat, but most of this will be at low temperatures of circa 30 – 40 degrees which would be too low for use in a DH scheme. This means that any “waste heat” may need to be extracted from the steam cycle which would result in a lower output of the turbine, and thus reduce the plants electrical efficiency. Thus in reality, the heat is not “waste” heat, but low carbon heat.

No technical studies have been conducted of the power station to assess the potential for exporting heat, and the impact that this may have on electrical efficiency or costs.

E-On have said that they are keen to explore options for exporting heat to neighbouring areas, and the existing building sector, in particular the public sector, are seen as the most attractive markets, due to the high heat demands and the potential for long-term low risk contracts with public bodies.

Modifying the power station to extract heat would only be viable for larger heat demands, and thus the opportunities for

linking the station to new or existing development is limited. However the potential for exporting heat should be considered for large scale or strategic developments which could be sufficient to make modification of the plant a viable option.

In reality, the potential for exporting heat from the power station is probably not dependent or viable for individual developments or sites (unless of very large scales – 1000s homes) but should be examined by the Council for the strategic development across the Ponders End place shaping priority area, potentially with public investment and de-risking. Schemes of this type could include new development, existing homes and businesses, and public buildings.

In summary, the viability of extracting heat will depend on the size of the load and in reality only large scale schemes would justify plant modification. EOn have suggested that they are keen to explore opportunities for providing heat and potentially acting as an ESCo partner if projects are commercially attractive

3.6.3 Kedco Biomass Gasification Plant

A proposed 12MWe/10MWth biomass gasification facility at Gibbs Road was granted planning permission at the end of August 2010. It is suggested that the plant will take 18 months to become operational.

3.6.4 Waste heat from industrial processes

We understand that the LDA has been in discussion with some of the businesses in the Brimsdown Industrial Estates including Coca Cola and Johnson Matthey as part of the energy masterplan for the Upper Lee Valley Energy Opportunity Area to understand the potential to supply and extract waste heat to support decentralised energy networks. Taking advantage of these opportunities would deliver an additional source of low carbon heat but are only likely to be able to be pursued once a network is in place.

Heat Map Analysis

4 Data and Mapping Analysis

4.1 Collating the data

The data obtained in the data collection exercise has been collated into the LDA's DeMAP Data Collection Template. This has been submitted to the LDA to enable it to be loaded onto the London Heat Map databases and allow the online GIS tool to be updated.

The final version of the spreadsheet is included in Appendix A of this report.

The graph below shows the ranked annual heat demands (in kWh) from the buildings in Enfield from which data has been collected. It shows that there are 43 buildings in the Borough with an annual heat demand of more than 1000MWh/year and 86 with an annual heat demand of more than 500MWh/year.

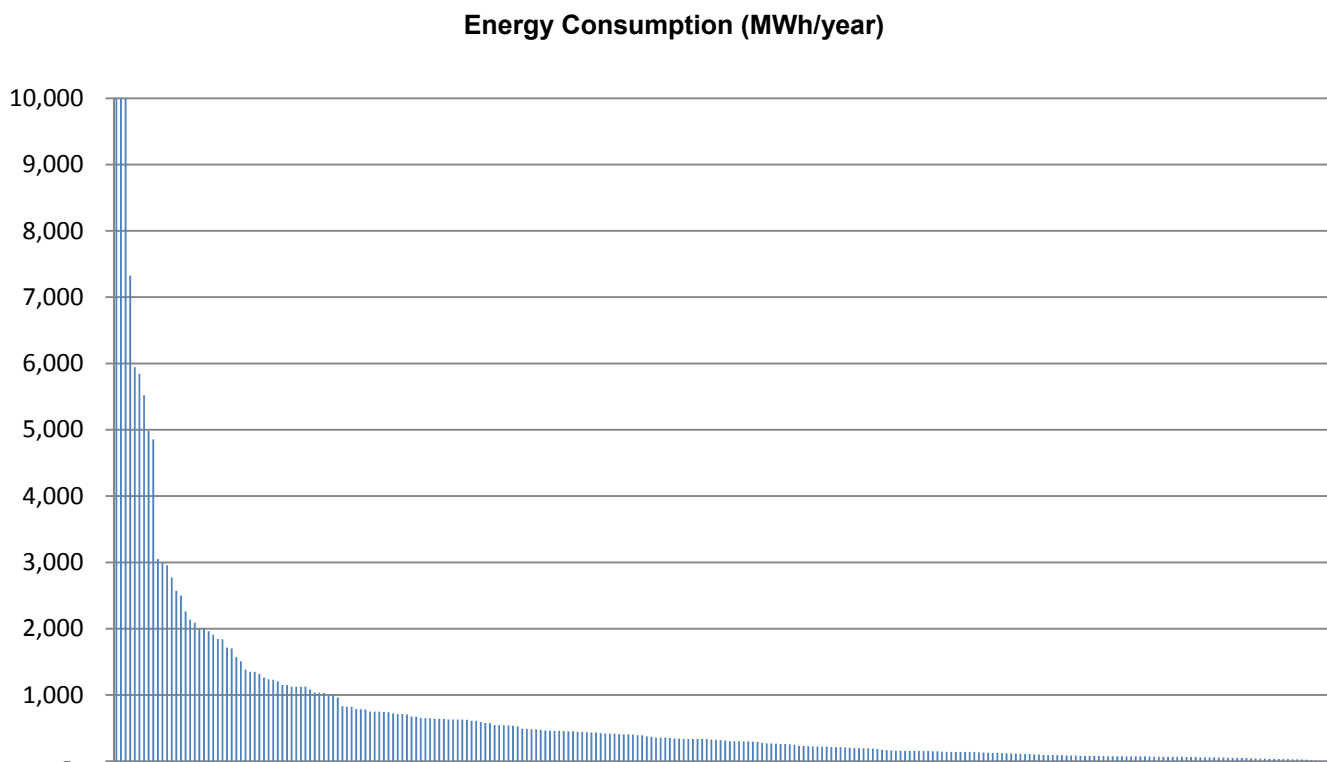


Figure 4: Ranked heat demands based on the building data obtained (scale limited to 10,000MWh/year)

4.2 Mapping

All the buildings for which heat demand data has been collected have been tagged with geographical data to allow them to be mapped. Each piece of data was tagged with the following information as a minimum:

- X and Y coordinates
- Building/Development Name
- Heat Demand
- Building Type
- Presence of CHP Technology

The GIS map, produced using ARCGIS, is reproduced in Figure 6.

The buildings are shown on the map as circles that are coloured to show the building type, sized according to the scale of the heat demand and numbered in accordance with a ranking of the heat demand, lower numbers referring to higher demands. The locations of other potentially significant heat demands, but for which no annual energy demand is known, are shown as rings. This representation enables easy identification of possible 'clusters'

The maps also show the extent of the Strategic Growth Areas and Place Shaping Priority Areas, with the exception of Edmonton Green. In addition, the potential future heat supply opportunities highlighted in section 3.5 and 3.6 have also been incorporated.

4.3 Identifying clusters

In order to identify possible clusters of buildings which may have the potential for supporting district heating networks, the following factors were considered:

- Scale of heat demands

- Proximity of significant heat demands
- Type of buildings
- Timing, phasing and scale of planned development
- Potential for extension of a network
- Physical barriers to the network infrastructure and expansion

4.4 Existing London Heat Map Data

The existing London Heat Map is based on data which the LDA has described as being of unknown quality and, more crucially, the heat demands for almost all of the buildings are not known. Most of the buildings identified in the London Heat Map (shown in Figure 5 as coloured circles) have been identified in this study and the metered annual heat demand data collected.

However, there are some buildings identified in the existing London Heat Map for which data has not been collected, most notable private multi-address residential buildings (i.e. blocks of private flats). If this data is collected at a later date then it will need to be added to the DeMAP Data Collection Template.

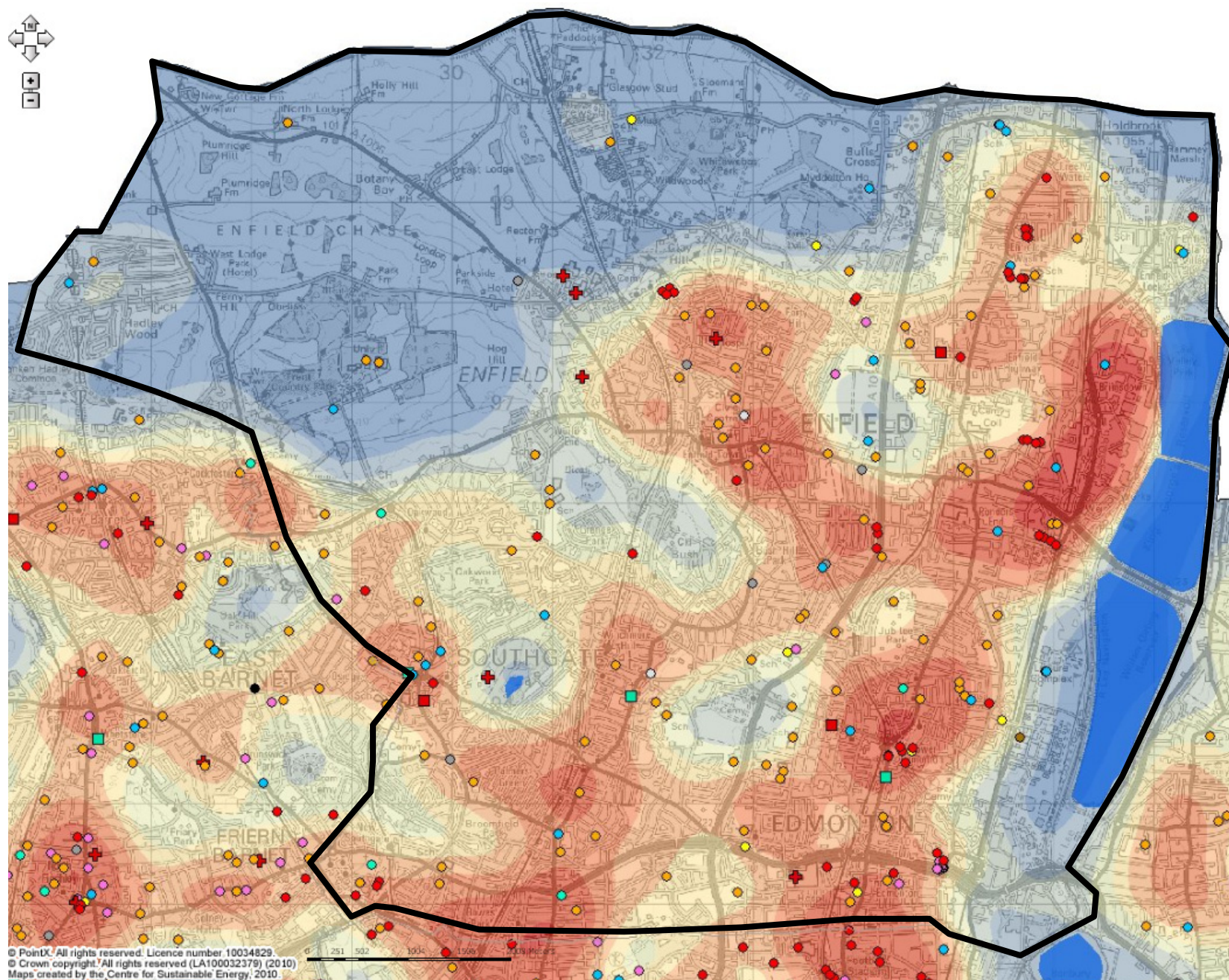


Figure 5: Image of the London Heat Map prior to the incorporation of the data collected as part of this study (accessed February 2011, Copyright LDA)

4.5 Mapped Heat Data Collected

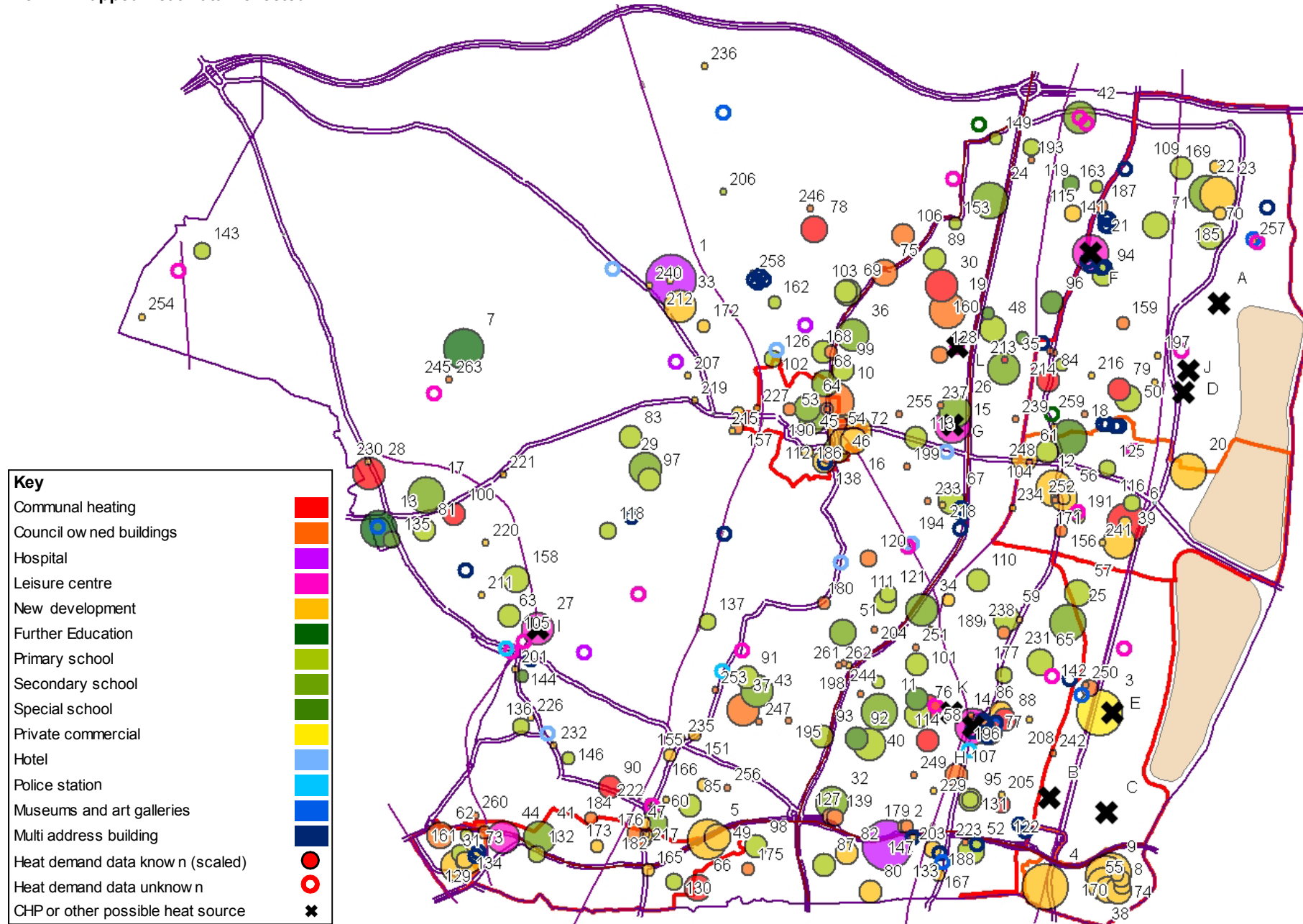


Figure 6: GIS Map showing the heat data collected (the points are coloured according to building type and sized and ranked in order of the annual heat demand)

Key to Mapped Buildings (ranked in order of annual heat demand)													
1	Chase Hospital	41	Broomfield	81	De Bohun Primary	121	Raglan Juniors	161	Our Lady of Lourdes	201	141 High Street	241	Robin Hall
2	North Middlesex Hospital	42	Lea Valley High	82	North Middlesex Hospital	122	Rushleigh House	162	St Michaels CE	202	Walford House	242	Montague Rec Pavillion
3	Thames Water Utilities Ltd	43	Winchmore	83	Merryhills	123	Meridian Water Primary 1	163	Freezywater St Georges	203	Dover House Adjacent Site	243	Church Street Rec Pavillion
4	Land around Tesco & Ikea	44	Arnos Pool & BowesLibrary	84	Dean House	124	Meridian Water Primary 2	164	Enfield Fire Station	204	Salisbury House	244	265 Church Street
5	North Circular Road	45	Enfield Town	85	Hazelwood Infants & Juniors	125	St Marys RC	165	1-6 Clock Parade	205	Laundry Site	245	Trent Park Offices
6	Alma Road	46	St Annes Lower	86	Edmonton Green North Mall	126	Chase Side Primary	166	New River Crescent	206	St John's CE	246	Stable Block
7	Middlesex University	47	Southgate Town Hall Site	87	Wilbury	127	Millfield Theatre	167	St John St James	207	20 Uplands Park Road	247	Clowes Pavillion
8	Kimberley Road	48	Carterhatch Primary	88	Len Warren House	128	Enfield Fields Pavillion	168	Cheviots	208	264 Town Road	248	Enfield Training Services
9	BOC adjacent land	49	North Circular Site	89	Worcesters	129	Garfield Primary	169	Innova Park Health	209	Media House	249	Pymmes Park Pavillion
10	Civic Centre	50	Brimsdown Primary	90	Fairweather Court	130	St Michael at Bowes	170	Meridian Water Spoke Health	210	New River Loop car park	250	Adult Occupational Therapy
11	The Latymer	51	Edmonton Lower	91	Highfield	131	Fleecefield Primary	171	Ponders End Health	211	Regal House	251	Churchfield Resource Centre
12	Middlesex University Site	52	Raynham Primary	92	West Lea Special	132	Bowes Primary	172	Holtswites Hill Reservoir	212	Arnold House	252	Ponders End Library
13	Southgate College	53	Enfield Grammar Upper	93	Firs Farm Primary	133	Edmonton Green Community	173	253 Broomfield Lane	213	Ringlewell Close	253	Winchmore Hill Library
14	Edmonton Leisure Centre	54	Enfield Town Community	94	Eastfield Primary	134	New Southgate Community	174	79 Windmill Hill	214	Enfield Highway Library	254	80 Camlet Way
15	Southbury Leisure Centre	55	Meridian Water Community	95	Brettenham Primary	135	Oaktree Special	175	Tottenham Pavillion	215	19-23 Waverley Road	255	Professional Development Centre
16	Enfield Town Station Site	56	Ponders End Community	96	Durrants Special	136	Walker	176	Truro House	216	116 Green Street	256	Hazelwood Sports Ground
17	Southgate	57	Cuckoo Hall Primary	97	Grange Park	137	St Pauls	177	William Preye Centre	217	187-199 Green Lanes	257	Enfield Island Village Library
18	Waverley Special	58	John Adams Court	98	Oakthorpe	138	Thomas Hardy House	178	289/291 Fore St	218	59-61 Main Avenue	258	Lavender Hill Cemetery Office
19	Carterhatch Depot	59	Houndsfield	99	St Andrews	139	Millfield House	179	Pymmes Park Office	219	11 -13 Slades Hill	259	Durant Park Changing Rooms
20	Southern Brimsdown Site	60	St Annes Upper	100	Buckfast House	140	Swan Annexe	180	Ridge Avenue Library	220	Gwalior House	260	Arnos Park Office
21	Albany Pool	61	Kingswell House	101	Churchfield Primary	141	Aylands Special	181	173 South Street	221	Merryhills Library	261	Church Street Rec Toilets
22	Albany Secondary	62	Coppice Wood Lodge	102	St Georges	142	12 North Way	182	Southgate Town Hall	222	Triangle House	262	Edmonton Cemetery Office
23	Land at Innova Park	63	St Andrews Southgate	103	Lavender	143	Hadley Wood	183	Silver Street	223	Angel Community Centre	263	Trent Park Swiss Cottage
24	St Ignatius College	64	Enfield County Upper	104	Southbury Primary	144	Southgate Fire Station	184	Broomfield Park Conservatory	224	229-245 High Street	Possible Heat Providers	
25	Turin Grove	65	Eldon Infants and Juniors	105	West Grove	145	Starks Field	185	The Rifles Public House	225	243 Green Street	A	Enfield Energy Centre
26	Kingsmead	66	William House	106	Forty Hall	146	St Monicas RC	186	Car Park at Cecil Road	226	Ellington Court	B	Kedco Biomass Gasification Plan
27	Southgate Leisure Centre	67	Bush Hill Park	107	Community House	147	Pymmes Park	187	Ordnance Road Library	227	Florence Avenue Car Park	C	Edomton EcoPark
28	Chaddlewood	68	Enfield Grammar lower	108	Edmonton Fire Station	148	1-4 Riverfront	188	57 Fore Street	228	164 Bury St	D	Johnson Mathey
29	Highlands	69	Enfield County Lower	109	Keys Meadow	149	Capel Manor	189	93-125 St Edmunds Road	229	56 Victoria Road	E	Deephams Sewage Works
30	Bliss House & Purcell House	70	Prince of Wales	110	Galliard Primary	150	Gala Club Site	190	Gentleman's Row	230	369-371 Cockfosters Road	F	Albany Leisure Centre
31	Ladderswood Estate	71	Chesterfield Primary	111	Raglan Infants	151	90_120 Green Lanes	191	St Matthews	231	329 Hertford Road	G	Southbury Leisure Centre
32	Gladys Aylward	72	Enfield Town Hub Health	112	Tower Point North	152	Arnos Family Centre	192	25 Hertford Road	232	Repair Garage	H	Edmonton Leisure Centre
33	Chase Farm Hospital Site	73	New Southgate Health	113	George Spicer	153	Forty Hill Primary	193	Bullsmoor Library	233	Bush Hill Park Library	I	Southgate Leisure Centre
34	Edmonton Upper	74	Tear Drop Site	114	Newstead House	154	St James	194	Wheatshaf Hall	234	318 Lincoln Road	J	National Freight Company
35	Bishop Stopford's	75	Bridge House	115	19 Gilbert Street	155	483/499 Green Lanes	195	Firms Farm Changing Rooms	235	Hertford Court	K	North London Clinic
36	Chace Community	76	Latymer All Saints	116	Alma Primary	156	John Wilks House	196	Edmonton Family Centre	236	Glasgow Stud Farm	L	David Lloyd Club Enfield
37	Reardon Court	77	Edmonton Centre	117	St Edmunds	157	Formont Centre	197	18 Brimsdown Avenue	237	Enfield Fields Pavillion		
38	Meridian Water Secondary	78	Bramley House	118	Eversley Primary	158	Wolfson Hillel	198	267 Church Street	238	Henry Barrass Stadium		
39	Ponders End Academy	79	Durants Lodge	119	Honilands Primary	159	Rose Tyler Day Centre	199	Bush Hill Park Pavillion	239	Crown Road Lorry Park		
40	Hazelbury Infants & Juniors	80	Bull Lane Sports Ground	120	Park Ave Day Centre	160	Russet House	200	Redlingtons	240	191-193 The Ridgeway		

4.6 Identified Clusters

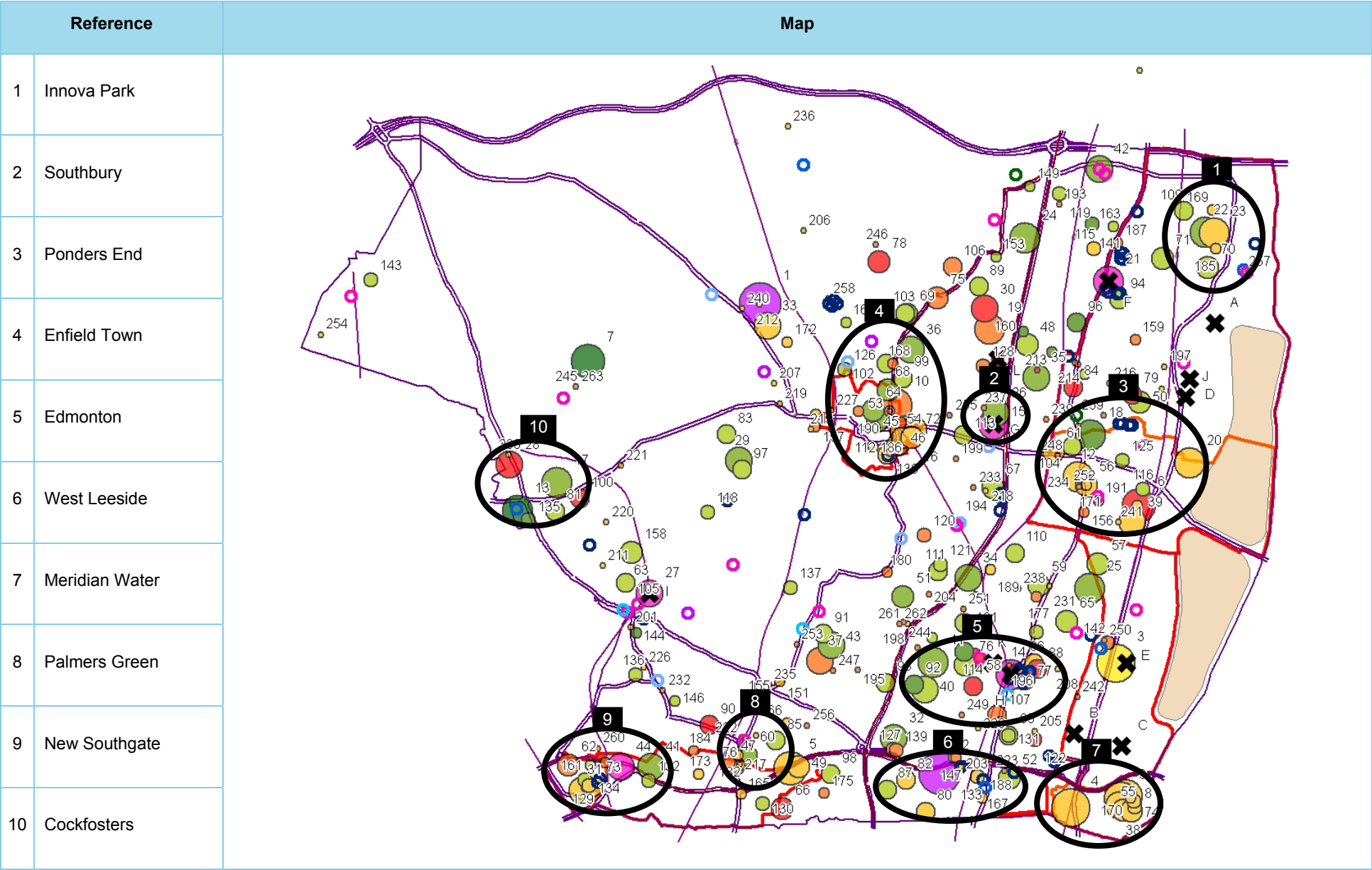


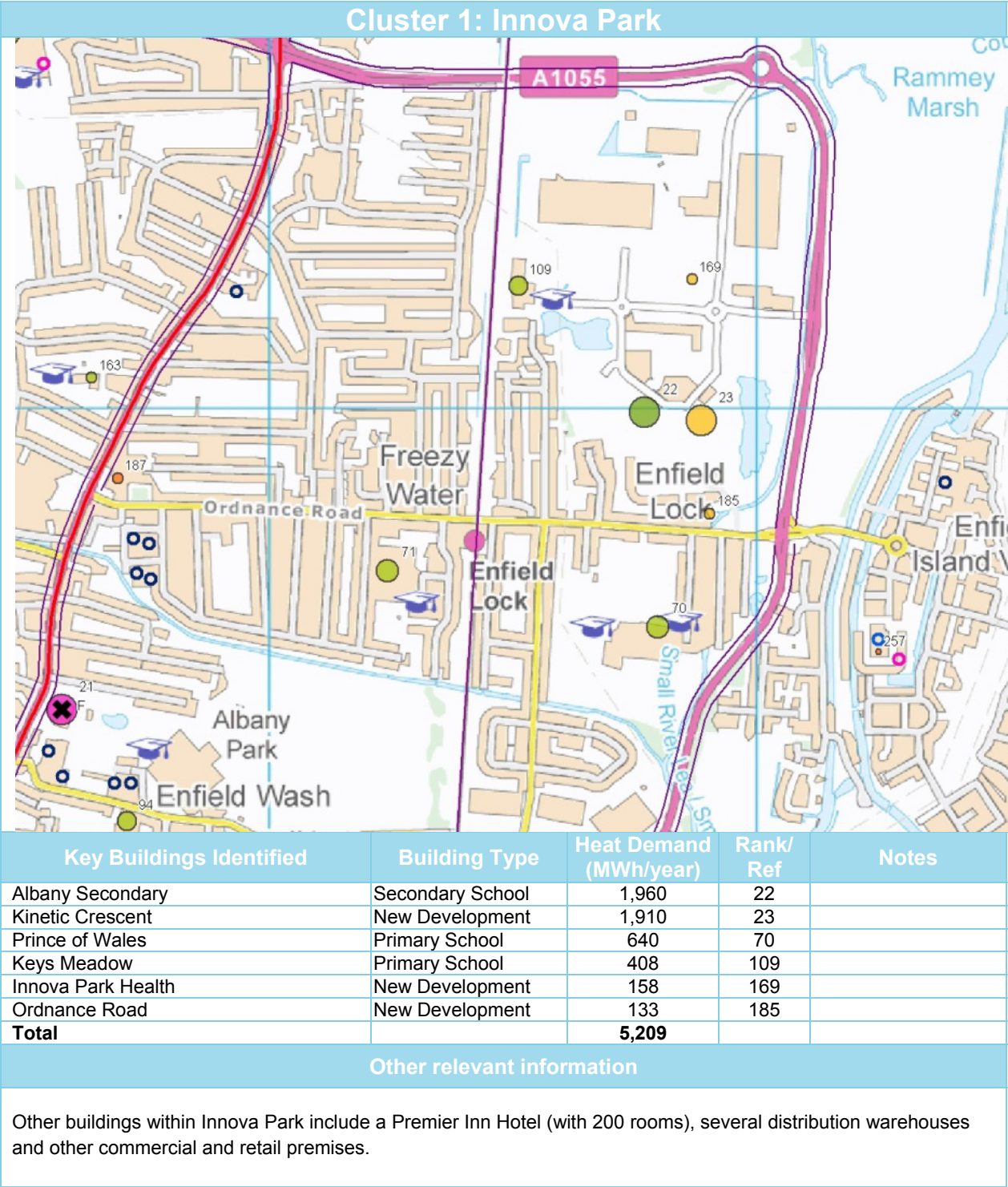
Table 4: Map showing the identified clusters

4.7 Initial Cluster Assessment

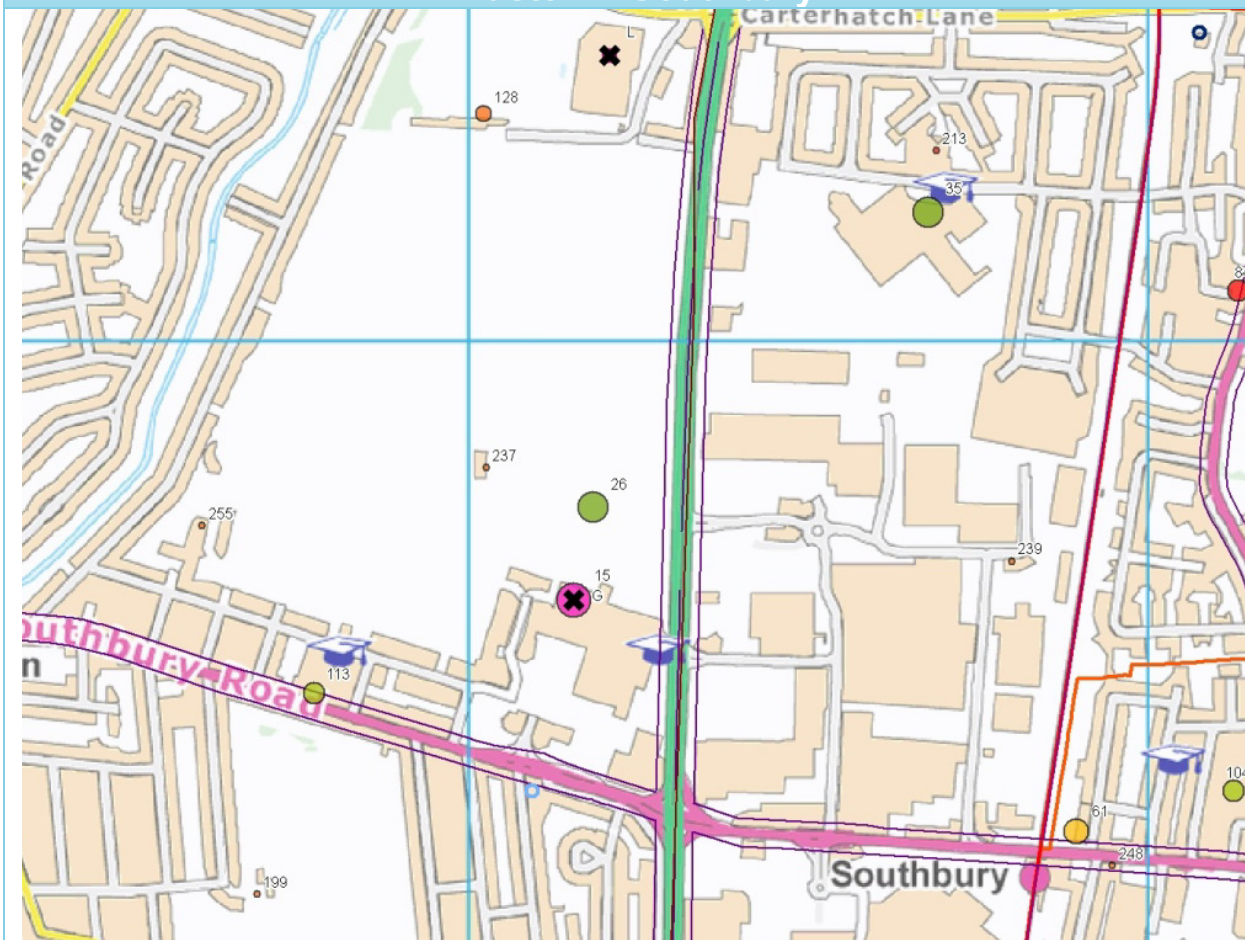
Site		Advantages	Disadvantages
1	Innova Park	<p>Within the North Enfield Opportunity Area and the Upper Lee Valley Opportunity Area.</p> <p>Mix of development including schools, residential and commercial.</p> <p>Innova park is aiming to attract green technology companies and a low carbon energy network would help this.</p> <p>Proximity to the Enfield Power Station, highlighted as a possible source of future heat provision.</p>	<p>Relatively removed from other clusters in the Borough.</p> <p>New development is already underway and opportunities to plan a network may have been lost.</p> <p>Physical barriers could limit expansion potential.</p> <p>Commercial uses in this area appear to be mainly distribution warehouses so likely to have limited heat demands</p>
2	Southbury	<p>Could act as a potential 'bridging network' between networks at Ponders End and Enfield Town.</p>	<p>Existing retail area likely to have limited heat demands.</p> <p>Mostly private consumers so potentially more difficult to deliver in practice.</p>
3	Ponders End	<p>Ponders End is a Place Shaping Priority Area so there is the opportunity to deliver a heat network as part of the redevelopment proposals.</p> <p>New developments could provide the space for an energy centre.</p> <p>Connecting to the existing communal heating in the tower blocks on Alma Road could be an easy win (depending on the existing system).</p> <p>There have been issues with the communal heating system on Alma Road so a redevelopment may be popular with residents.</p> <p>Located relatively close to the Enfield Power Station, Kedco Biomass Plant and North London Waste site.</p>	<p>Wider network could be constrained by barriers such as the road and rail corridors, although there are routes across these.</p> <p>Links to the energy supply opportunities in Brimsdown are likely to be long term options.</p>
4	Enfield Town	<p>Potential new development in the Place Shaping Priority Area around Enfield Town Station could provide the catalyst for development of a heat network.</p> <p>Direct incentive for the Council given the number of public buildings, including the Civic Centre.</p>	<p>Current uncertainty around the future of the Civic Centre.</p> <p>Delivery likely to be dependent on the redevelopment plans.</p>
5	Edmonton	<p>Edmonton has been identified as a key redevelopment area.</p> <p>Relatively high density of some large public sector heat demands.</p> <p>Existing CHP at the leisure centre.</p>	<p>Road and rail barriers may make it more expensive to deliver.</p>

6	West Leaside	North Middlesex Hospital has an existing heat network served by gas boilers.	<p>Apart from the hospital this cluster has relatively fewer significant buildings and relatively small heat demands.</p> <p>Expansion potentially constrained by road and rail barriers.</p>
7	Meridian Water	<p>Significant new development on a clear site could facilitate the cost efficient delivery of an area-wide network.</p> <p>Opportunity to approach an ESCO partner early on to deliver an area-wide scheme.</p> <p>Planning policy could be used to require connection and thereby facilitate the delivery of a DHN.</p> <p>Adjacent to Edmonton EcoPark which is proposed as the site for a new North London Waste Authority energy-from-waste facility.</p> <p>New development is likely to be incentivised to deliver district heating by the planning policies and future Building Regulations compliance targets.</p>	<p>Delivery is dependent on new development and requires commitment from developers.</p> <p>Possible difficulties in getting multiple developers to sign up to an area-wide scheme but may be easier and cheaper than delivering in separate parcels.</p> <p>Significant constraints to a pipe network including major roads, railway lines and canals, although routes exist across all of these.</p> <p>Timing of the new development relative to the redevelopment of the EcoPark could impact on the potential for connection.</p>
8	Palmers Green	Area with relatively dense large Victorian terraced housing.	<p>Limited number of large loads identified relative to the other clusters.</p> <p>Limited potential for expansion.</p>
9	New Southgate	<p>Significant redevelopment could provide the catalyst for delivering a district heating network.</p> <p>There is a good mix of building types in the area (both existing and planned)</p>	Limited potential for expansion relative to other clusters
10	Cockfosters	Cluster of public buildings in close proximity with relatively high heat demands	<p>Limited development in the area to facilitate the delivery of a district heating network.</p> <p>Southgate College was due to be redeveloped although this has now been put on hold.</p>

Table 5: Main advantages and disadvantages of the identified clusters



Cluster 2: Southbury

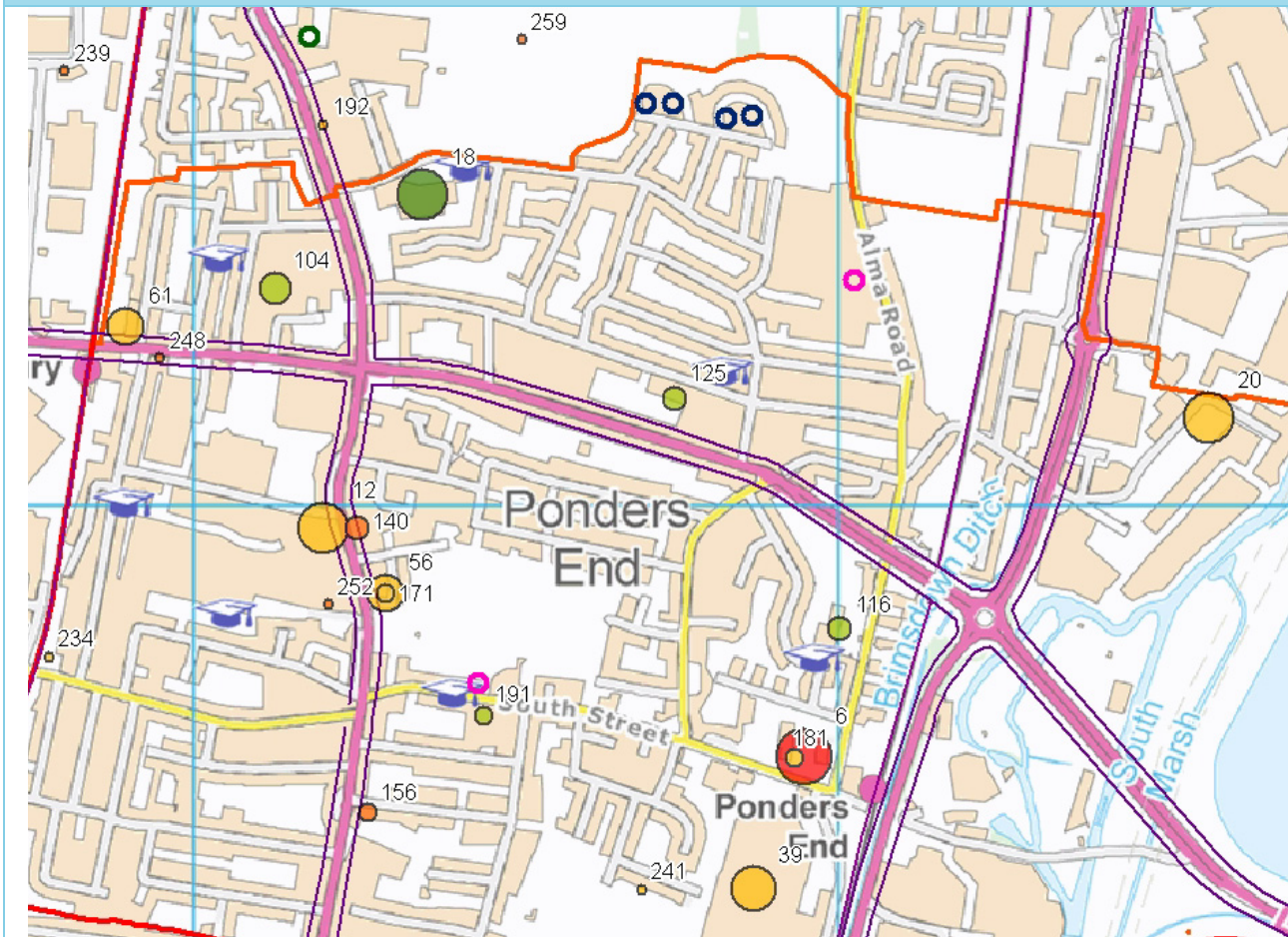


Key Buildings Identified	Building Type	Heat Demand (MWh/year)	Rank/Ref	Notes
Southbury Leisure Centre	Leisure Centre	2,571	15	CHP
Kingsmead	Secondary School	1,714	26	
George Spicer	Primary School	395	113	
Enfield Playing Fields Pavilion	Council Buildings	57	237	
Professional Development Centre	Council Buildings	28	255	
Total		4,764		

Other relevant information

There are a significant number of large retail stores around the junction between Southbury Road and Great Cambridge Road including a number of large supermarkets. We are aware that the Carbon Trust is in discussion with some of these major chains to promote district heating schemes and to encourage connection of major stores to nearby networks.

Cluster 3: Ponders End



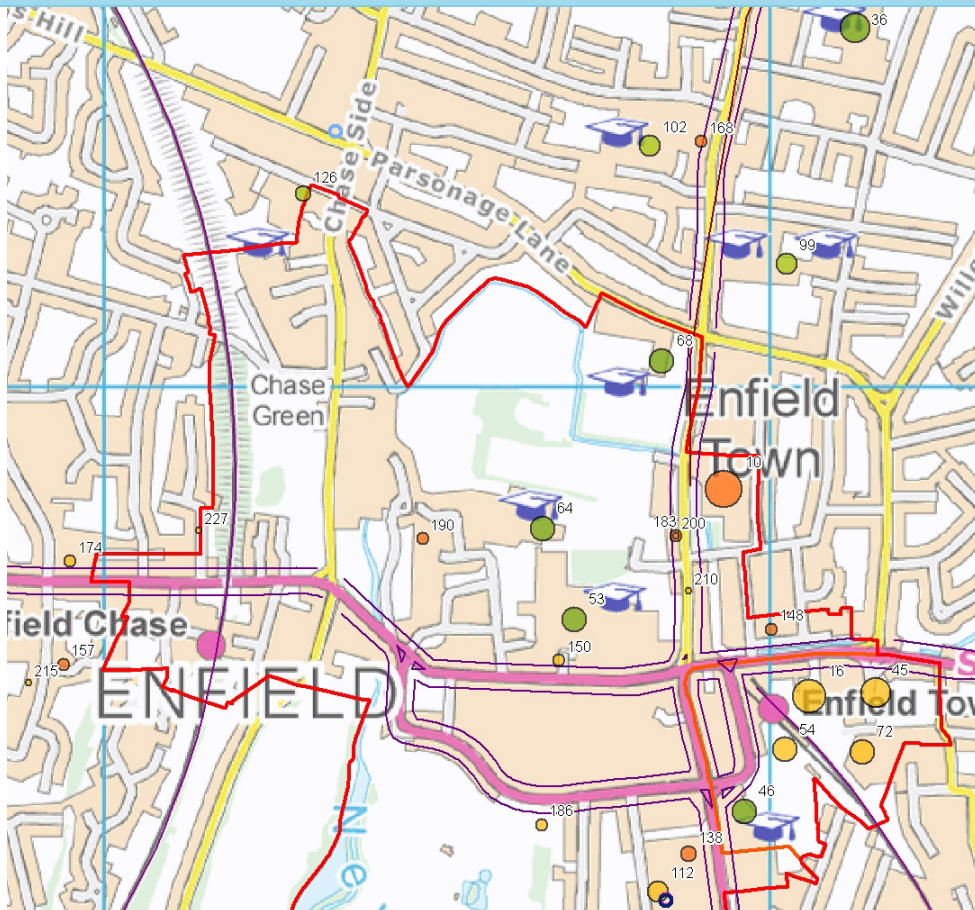
Key Buildings Identified	Building Type	Heat Demand (MWh/year)	Rank/Ref	Notes
Alma Road	Social Housing	5,945	6	Communal system
Middlesex University Site	New Development	2,998	12	
Waverley Special	Special School	2,138	18	
Southern Brimsdown Kier site	New Development	1,999	20	
Ponders End Academy	New Development	1,125	39	
Ponders End Community	New Development	750	56	
Kingswell House	New Development	712	61	
Southbury Primary	Primary School	424	104	
Alma Primary	Primary School	370	116	
St Marys RC	Primary School	336	125	
Swan Annexe	Council Buildings	262	140	
John Wilks House	Council Buildings	205	156	
Ponders End Health	New Development	158	171	
South Street	New Development	142	181	
St Matthews	Primary School	119	191	
Gardiner Close	New Development	52	241	
Enfield Training Services	Council Buildings	37	248	
Ponders End Library	Council Buildings	34	252	
Total		17,803		

Other relevant information

The College of North East London Enfield Campus is located just north of Waverley Special School on Hertford Road denoted by the dark green ring on the map. Although no data was collected on the annual heat demand of this building it is likely to be reasonably large. The four blue rings denote the high rise residential tower blocks on Exeter Road. There are also several other buildings of possible interest along Hertford Road including a doctors surgery, police station and several commercial premises.

The connection to the Southern Brimsdown Site (Site ref 20 on the map above) could potentially be difficult because of the need to cross the railway line and the A1055.

Cluster 4: Enfield Town



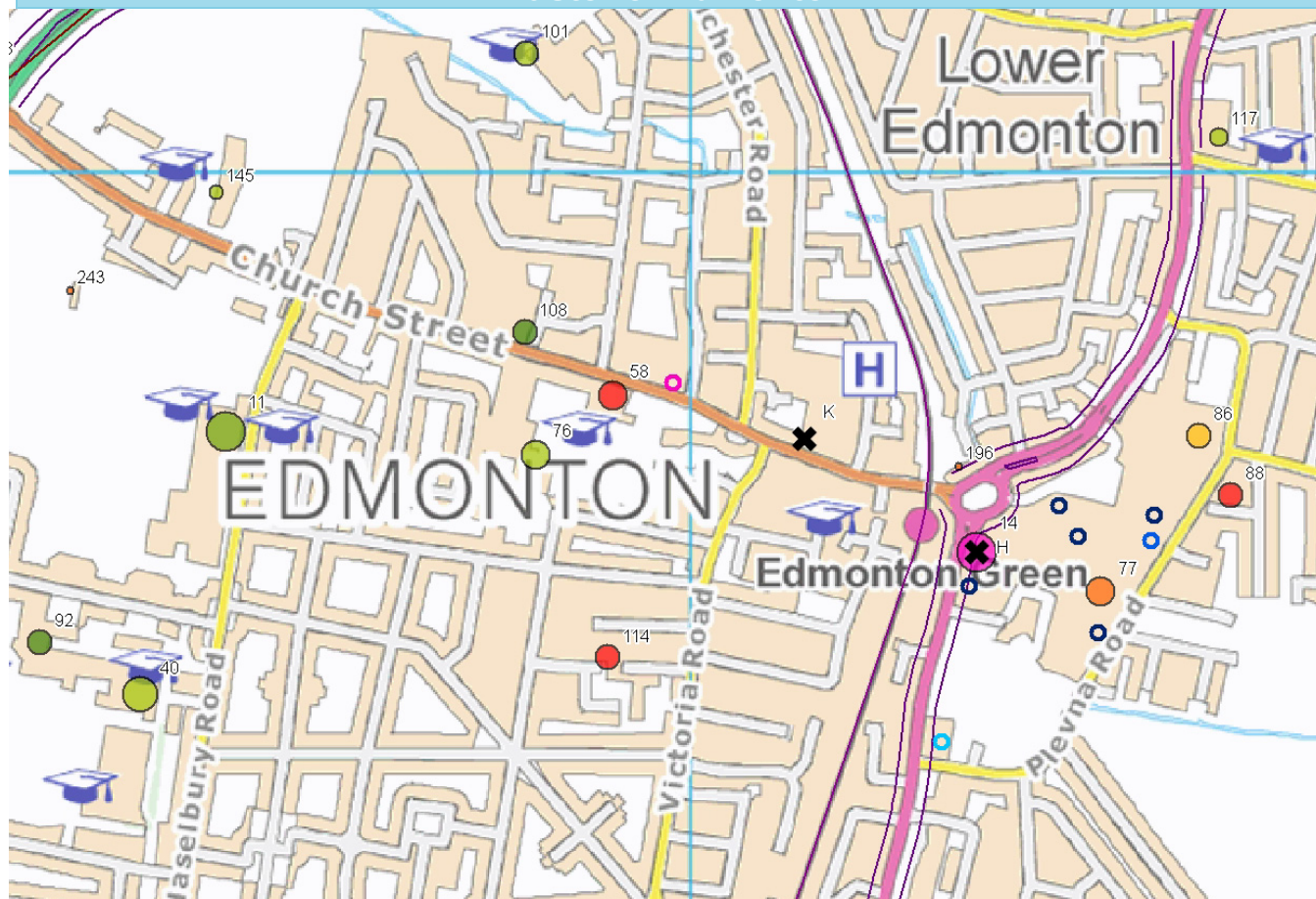
Key Buildings Identified	Building Type	Heat Demand (MWh/year)	Rank/Ref	Notes
Civic Centre	Council Buildings	4,856	10	
Enfield Town	Council Buildings	2,498	16	
Chace Community	New Development	1,150	36	
Enfield Town	Secondary School	990	45	
St Annes Lower	New Development	961	46	
Enfield Grammar Upper	Secondary School	769	53	
Enfield Town Community	New Development	750	54	
Enfield County Upper	New Development	675	64	
Enfield Grammar lower	Secondary School	645	68	
Enfield Town Hub Health	Secondary School	630	72	
St Andrews	New Development	445	99	
St Georges	New Development	435	102	
Tower Point North	New Development	404	112	
Chase Side Primary	Council Buildings	328	126	
Thomas Hardy House	New Development	271	138	
1_4 River Front	New Development	226	148	
Gala Club	Council Buildings	220	150	
Cheviots	Council Buildings	160	168	
58_60 Silver Street	New Development	142	183	
Car Park_ Cecil Road	New Development	131	186	
Gentleman's Row	Council Buildings	123	190	
Redlingtons	Council Buildings	95	200	
New River Loop car park	New Development	81	210	
Total		16,985		

Other relevant information

The Palace Gardens Shopping Centre is also in the centre of Enfield and contains around 215,000sq ft lettable retail floor space including a Marks & Spencer and a Waitrose supermarket. There is also an Esporta Health Club on Sydney Road that includes a swimming pool and is located within a large block of flats.

Enfield Chase Hospital has the largest annual heat demand in the Borough but is located around 2.5km to the North East of the Town. We understand that the hospital is planning to improve its heating system, which currently uses a steam distribution system served by oil boilers.

Cluster 5: Edmonton



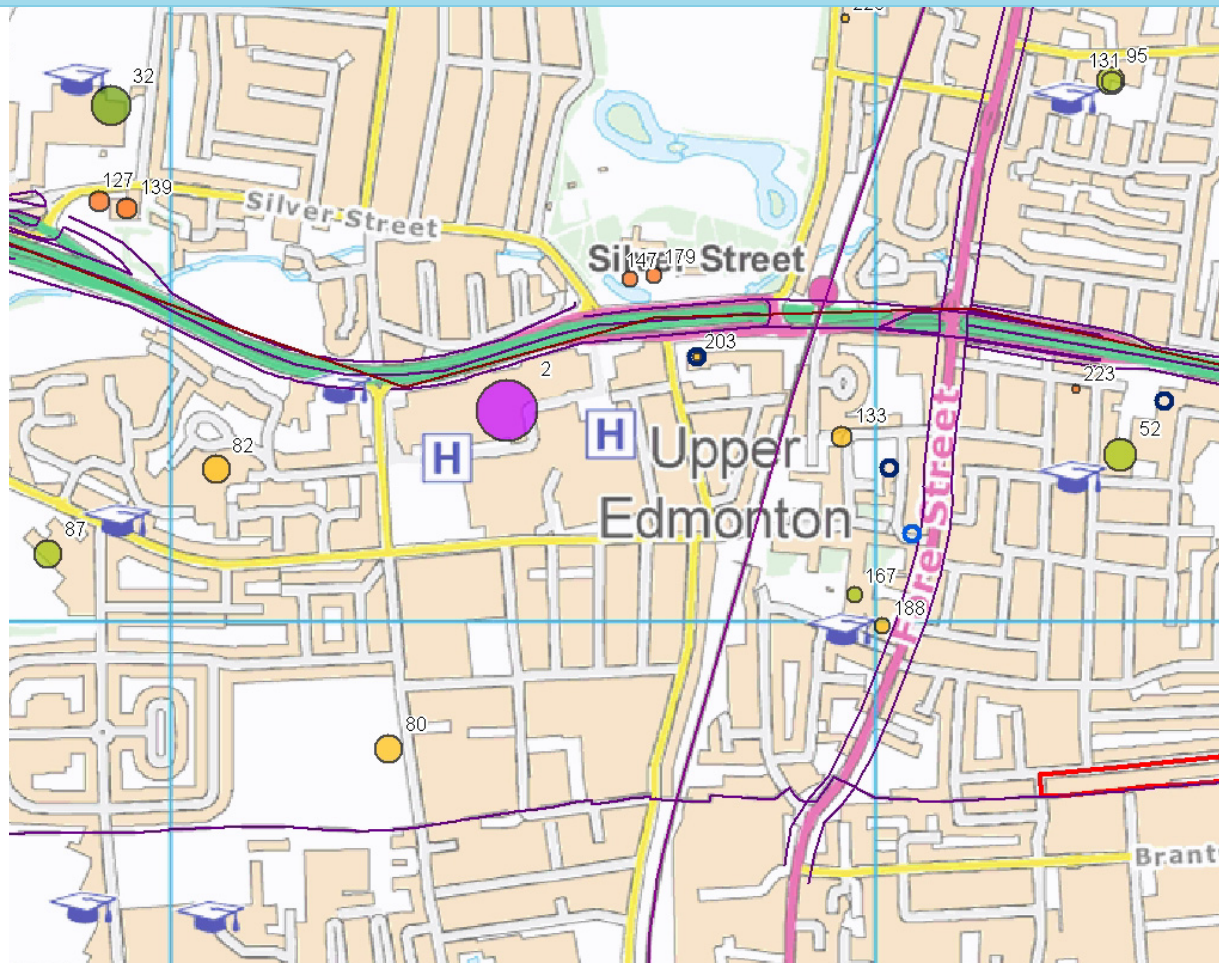
Key Buildings Identified	Building Type	Heat Demand (MWh/year)	Rank/Ref	Notes
The Latymer	Secondary School	3,049	11	
Edmonton Leisure Centre	Leisure Centre	2,772	14	CHP
Hazelbury Infants and Juniors	Primary School	1,082	40	
John Adams Court	Social Housing	740	58	Communal system
Latymer All Saints	Primary School	612	76	
Edmonton Centre	Council Buildings	609	77	
Edmonton Green North Mall	New Development	524	86	
Len Warren House	Social Housing	489	88	Communal system
West Lea Special	Special School	464	92	
Edmonton Fire Station	Fire Station	411	108	
Newstead House	Social Housing	393	114	Communal system
Starks Field School	Primary School	232	145	
Edmonton Family Centre	Council Buildings	110	196	
North London Clinic	Private Health	?		CHP & Communal system
Total		11,487		

Other relevant information

The North London Clinic was contacted but was not able to provide heat demand data, although they were able to confirm that the facility has a communal heating system and includes a CHP engine.

There are several large tower blocks in Edmonton Green (identified as blue rings on the map above) although no information was collected on the heating sources or size of demand from these. There are also a large number of commercial and retail buildings including a large Asda Supermarket.

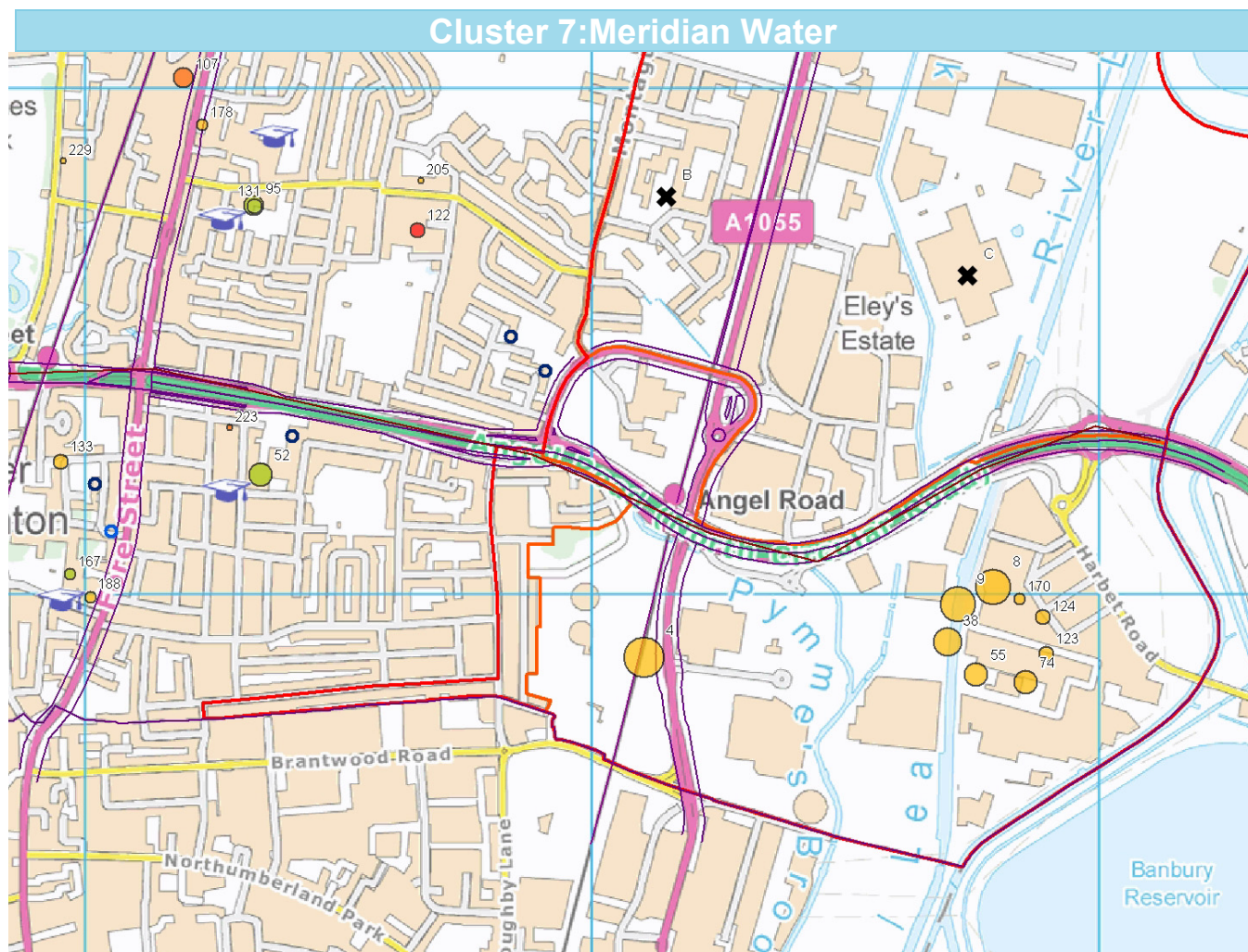
Cluster 6: West Leaside



Key Buildings Identified	Building Type	Heat Demand (MWh/year)	Rank/Ref	Notes
North Middlesex Hospital	Hospital	22,813	2	
Raynham Primary	Primary School	781	52	
Bull Lane	New Development	577	80	
North Middlesex Hospital Site	New Development	545	82	
Wilbury	Primary School	492	87	
Edmonton Green Community	New Development	300	133	
Pymmes Park OPC	Council Buildings	227	147	
St John & St James	Primary School	160	167	
Pymmes Park Rangers Office	Council Buildings	142	179	
Fore Street	New Development	126	188	
Bolton Road	New Development	93	203	
Angel Community Centre	Council Buildings	70	223	
Total		26,326		

Other relevant information

This area of the Borough borders Haringey, where district networks are planned at the Broadwater Farm Estate which would be a redevelopment and expansion of an existing system, and the Northumberland Development Project, which has proposed a district heating network as part of the redevelopment of the Tottenham Hotspur Stadium (although the future of these plans are currently uncertain).



Key Buildings Identified	Building Type	Heat Demand (MWh/year)	Rank/Ref	Notes
Land around Tesco & Ikea	New Development	11,936	4	
Kimberley Road	New Development	5,520	8	
BOC & adjacent land	New Development	4,981	9	
Meridian Water Secondary School	New Development	1,125	38	
Meridian Water Community Centre	New Development	750	55	
Tear Drop Site	New Development	628	74	
Meridian Water Primary 1 School	New Development	338	123	
Meridian Water Primary 2 School	New Development	338	124	
Meridian Water Spoke Health	New Development	158	170	
Total		25,774		

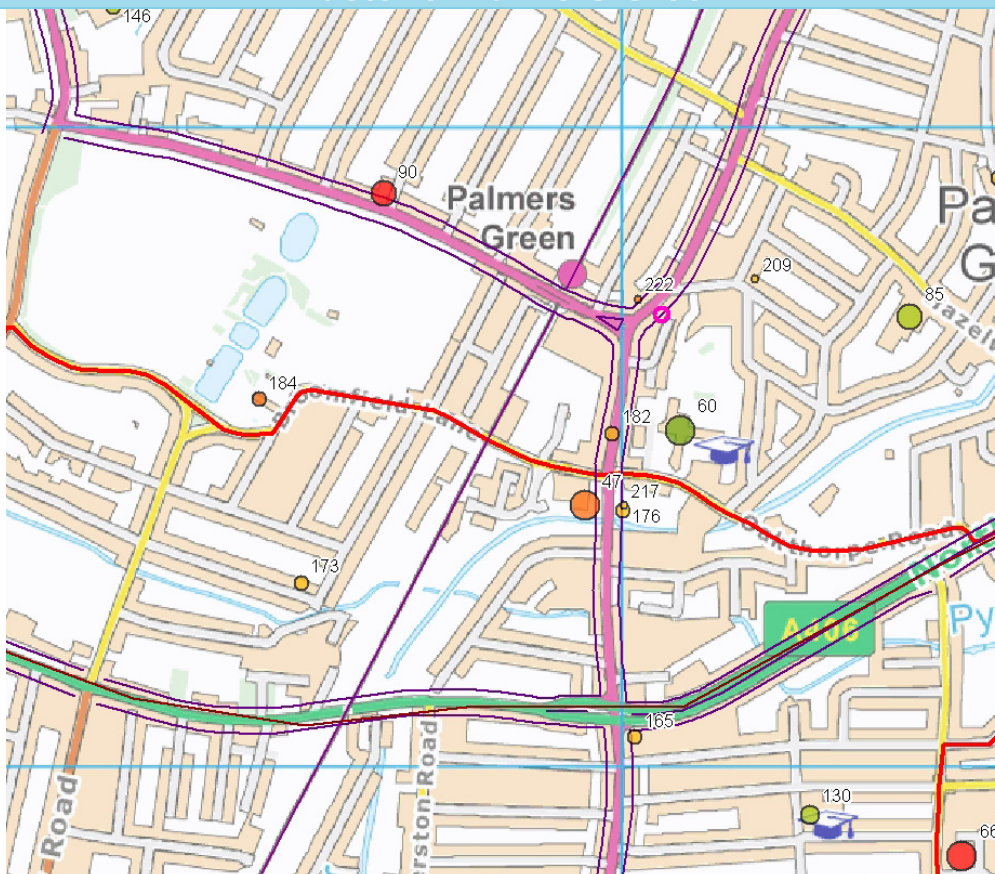
Other relevant information

The heat demands are highly subjective and based on estimated development quantities and phasing. This information should be updated as more detailed information becomes available during the design process. The locations of the separate development projects are also not defined and these should be updated as the masterplan is developed.

The proximity to the Edmonton EcoPark suggests the possibility of connecting to the future energy-from-waste plant that is likely to be installed on the site. Connection to the planned Kedco Biomass Plant may also be possible.

As noted in Cluster 6, this area of the Borough borders Haringey where district networks are planned at the Broadwater Farm Estate, the Northumberland Development Project and Tottenham Hale. Possible long-term connectivity should be considered, particularly with the proposed expansion from Tottenham Hale.

Cluster 8: Palmers Green

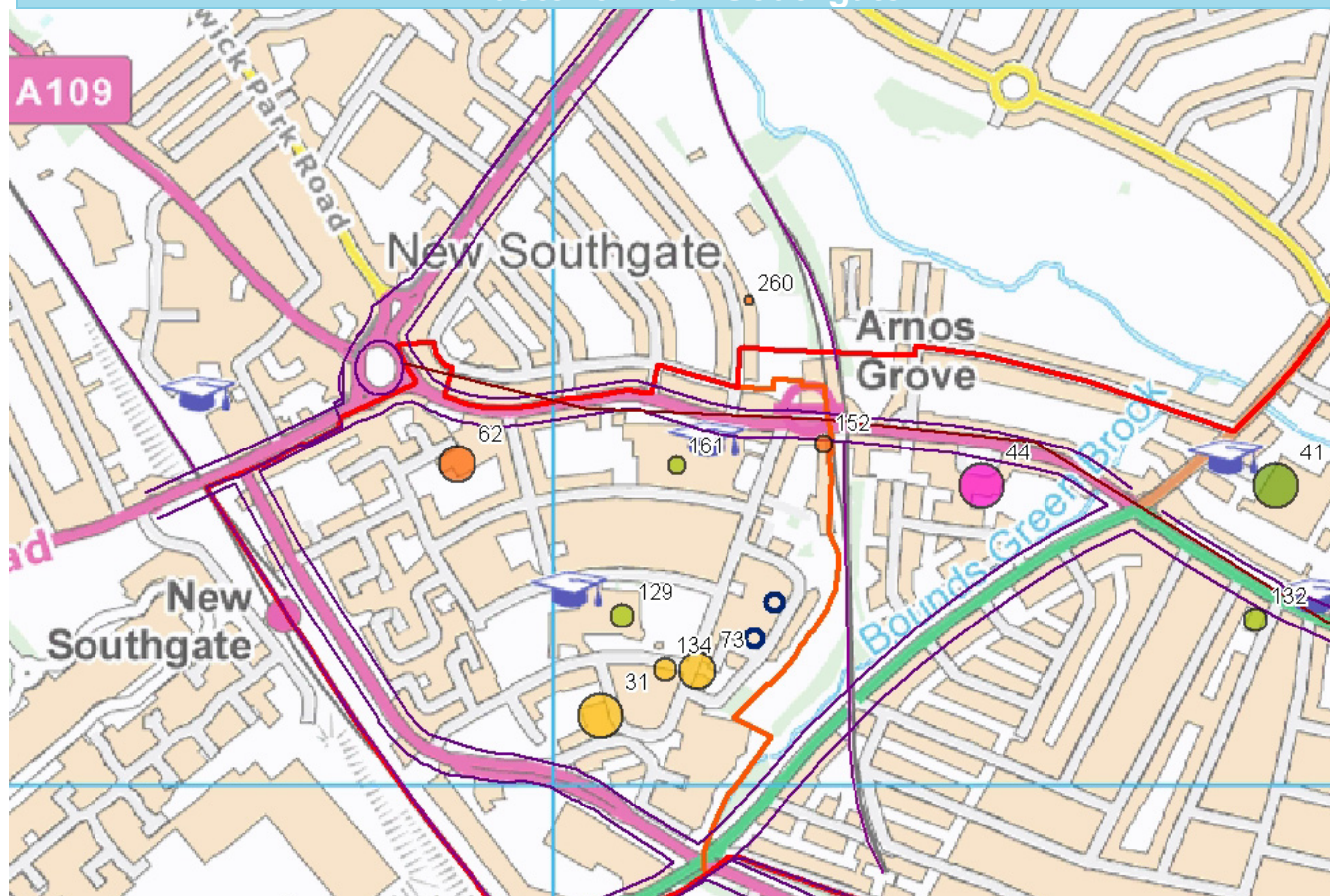


Key Buildings Identified	Type	Heat Demand (MWh/year)	Rank	Notes
Southgate Town Hall	Secondary School	832	47	
St Annes Upper	Secondary School	714	60	
Hazelwood Infants and Juniors	Primary School	537	85	
Fairweather Court	Social Housing	484	90	Communal Heating
Truro House	New Development	151	176	
Southgate Town Hall Site	New Development	141	182	
Media House	New Development	81	209	
187-199 Green Lanes	New Development	73	217	
Triangle House		71	222	
Total		3,086		

Other relevant information

Palmer's Green is a predominantly residential area with relatively large semi-detached and terraced properties with retail and commercial buildings, including a large supermarket, mainly clustered around the junction between Alderman Road and Green Lanes.

Cluster 9: New Southgate



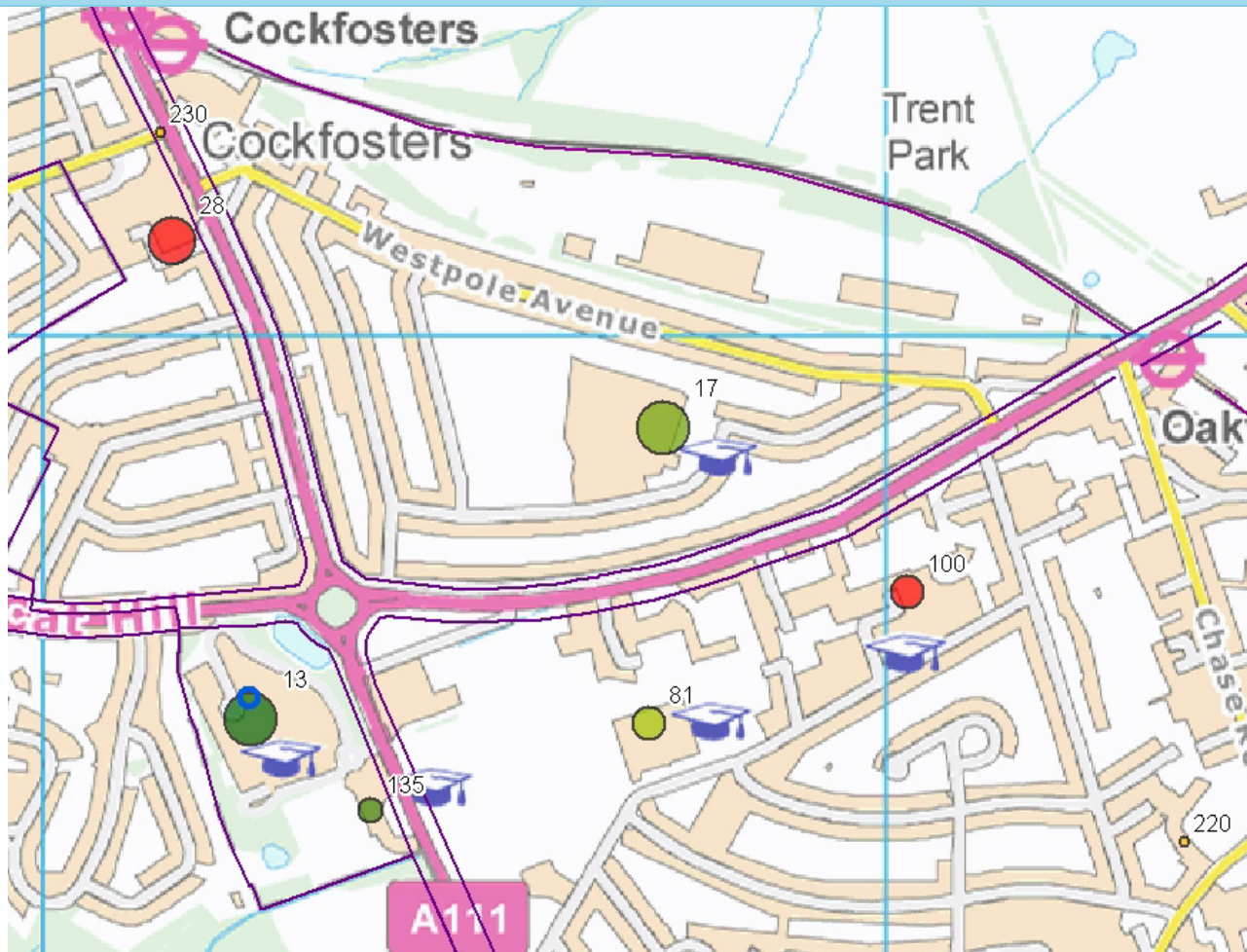
Key Buildings Identified	Type	Heat Demand (MWh/year)	Rank	Notes
Ladderswood Redevelopment	New Development	1,316	31	
Broomfield	Secondary School	1,040	41	
Arnos Pool and Bowes Library	Leisure Centre	999	44	
Coppice Wood Lodge	Council Buildings	706	62	
New Southgate Hub Health	New Development	630	73	
Garfield Primary	Primary School	313	129	
Bowes Primary	Primary School	301	132	
New Southgate Community	New Development	300	134	
Arnos Family Centre	Council Buildings	214	152	
Our Lady of Lourdes	Primary School	195	161	
Total		6,021		

Other relevant information

The proposed redevelopment of the Ladderswood Estate includes the provision of new retail and commercial areas in the area defined as the 'Western Gateway'.

New Southgate is located next to the London Borough of Barnet, who have also carried out a DeMAP heat mapping study. The Barnet DeMAP study report identifies the North Finchley/Whetstone Great North Road Corridor, which is located around 2.5km west of New Southgate, as a District Heating Focus Area.

Cluster 10: Cockfosters



Key Buildings Identified	Type	Heat Demand (MWh/year)	Rank	Notes
Southgate College	Further Education	2,955	13	
Southgate School	Secondary School	2,261	17	
Chaddlewood	Social Housing	1,570	28	Communal System
De Bohun Primary	Primary School	546	81	
Buckfast House	Social Housing	444	100	Communal System
Oaktree Special	Special School	295	135	
Cockfosters Road	New Development	64	230	
Total		8,134		

Other relevant information

There are a number of large office buildings near to Cockfosters Station but otherwise this area predominantly comprises of semi-detached residential properties with small retail premises on the main streets.

As with Cluster 9, this area borders the London Borough of Barnet. The nearest District Heating Focus Area identified in their DeMAP Heat Mapping Study Report is located at Chipping Barnet, which is a significant distance away although the study does highlight a few buildings relatively close to this area including East Barnet School.

Implementation Plan

5 Implementation Plan

5.1 Moving to delivery

The table on the following pages outlines a high level implementation plan for the preferred sites. The aim of this is to help the London Borough of Enfield and the London Development Agency focus their efforts on investigating the sites further in order to establish the best ones to be taken forward to Phase 2 of the DEMaP programme.

Please note that the priority column is indicative only and it is based on the information and data collected as part of this study. The prioritisation is mostly based on technical feasibility (i.e. size of heat load, mix of uses and potential for extension), rather than short term deliverability. The prioritisation will significantly change depending on what is considered the most important assessment criteria. For example, if delivery in the short term is the priority, the preferred sites will be different than if ease of extension or overall CO₂ savings are the priority. For this reason it is recommended that further consideration is given to the prioritisation of the sites following further consultation with relevant members of the London Borough of Enfield and the London Development Agency's DEMaP team.

Delivery of these opportunities will need to take a regeneration or plan-led process in line with the proposals set out in the Core Strategy of the Local Development Framework.

5.2 Prioritisation criteria

The complexity of delivering a district heating network means that the selection of priority sites has to be based on technical viability, but also on financial viability and practical delivery issues. The following table shows the criteria that have been considered during the analysis of the data collected.

Technical viability criteria	Financial viability criteria	Deliverability criteria
<ul style="list-style-type: none"> • Size of heat loads • Type of building • Proximity to other high potential buildings • Phasing of development • Potential for extension of network 	<ul style="list-style-type: none"> • Ownership of building • Financial delivery mechanisms • Length of pipe work • Potential for extension of network • Presence of existing Energy Services Companies (ESCOs) 	<ul style="list-style-type: none"> • Proposals and extent of refurbishment for existing buildings • Proposals for energy strategy for new buildings • Timescales and phasing of proposed refurbishment/development • Practical barriers to district network installation (e.g. railways, utilities)

Table 6: Site prioritisation criteria for district heating

The above criteria were used to review the map shown in 6, and the priority of the clusters identified in Section 5 has been determined.

The prioritisation of the clusters is shown in the implementation plan on the following pages. This also identifies specific barriers for each of the networks together with the next steps for each and the key dates and responsible people for each of these.

5.3 Responsibility for Implementation

Enfield Council is currently in the process of setting up an expert officer working group to maximise the opportunities and procure the necessary expertise for developing district heating networks within the Upper Lee Valley and the rest

of the Borough. It has been suggested that this group could take ownership and responsibility for the implementation plan.

However it is recognised that successful delivery of any of the highlighted opportunities will depend upon a coordinated approach and efforts of a number of organisations, including other departments within the London Borough of Enfield as well as the GLA, LDA, NLSA and developers.

5.4 Key overarching actions

1. *Support for Developers*

The realisation of decentralised energy solutions for the identified clusters within the five strategic growth areas (Ponders End, Meridian Water, Enfield Town, New Southgate and Edmonton Green) will be largely dependent upon the developers that are involved in delivering the developments in these locations. To support developers the Council will need to provide clear guidance on the ambitions and policy requirements in regards to the delivery of district heating networks and how these can be practically realised on the various sites. This may require technical studies to be undertaken at a high level to support the masterplans that can provide the overarching energy masterplans for each location as well as information on design requirements and costs to inform developers and design teams.

2. *Integration into planning policies and masterplans*

The Core Strategy (adopted in November 2010) includes a policy (Core Policy 20) that sets the framework for promoting decentralised energy and setting local targets and standards. These will need to be set out in the relevant Area Action Plans and other Development Plan Documents, which should provide the support for delivering the decentralised energy opportunities identified in this study.

Further, more detailed studies may be required to provide the evidence base required to support more specific local policies and to provide the additional details required for developing masterplans including network routes, energy centre locations, design requirements, capital costs, financial feasibility etc.

3. *Effective Communication with Stakeholders*

Any further work will need to be accompanied by effective communication with key stakeholders. This will include other departments within the Council, other public bodies, private building owners, prospective developers and the local people. The case for delivering district heating networks will need to be clearly made to ensure the necessary stakeholder buy-in that will be essential to the successful delivery of the projects. This could be achieved through marketing materials, seminars and workshops.

4. *Leaders and Champions*

Leadership within the Council, from both officer and member level will be vital to securing the political support necessary to deliver these schemes, which will require a number of difficult steps including: putting policies into place, set in up the delivery vehicles, obtaining funding, pulling together the various stakeholders and agreeing contractual terms with potential partners.

The following options have been suggested:

- A member champion to provide political support to work in this area
- An energy infrastructure steering group comprised of representatives from across the Council and potentially other key local stakeholders that can provide cross departmental support and input into project development

- A dedicated decentralised energy team to take responsibilities for the actions required to take the identified project opportunities forward.

5. Review of potential delivery models

The London Borough of Enfield should start to consider the possible delivery and funding mechanisms that it could employ to implement the schemes that have been proposed. Different approaches could be used for the different sites but there are likely to be some contractual, fiscal or other issues that the Council are either likely to require or would like to avoid.

As previously noted in this report, the Renewable Energy and Low Carbon Development Study report includes details of the various delivery options and funding sources available to LB Enfield.

5.5 Outline Implementation plan

The following pages provide an outline implementation plan for the identified clusters, focussing on those clusters identified as having the highest priority. This highlights the key barriers that will need to be addressed and the next steps for each of the potential clusters identified.

Outline Implementation Plan					
Cluster Ref	DE Opportunity	Priority	Key considerations	Potential barriers	Next Steps
		(relative potential for delivery)	(Basis of the delivery potential assessment)	(Potential barriers for delivery of opportunity identified)	(Next steps for LA to facilitate delivery of opportunity identified)
3	Ponders End	High	<p>The total annual heat demand from the buildings identified in this study is estimated to be 17,803MWh/year.</p> <p>This cluster contains a significant number of buildings and building types that could provide a good heat demand profile.</p> <p>It could prove difficult to find a location for an energy centre although there are two significant development sites that could potentially provide the necessary space.</p> <p>The opportunity to upgrade the heating system within the Tower Blocks on Alma Road could prove popular.</p> <p>Long term there is a significant potential for connection the planned energy from waste facility at Edmonton Eco-Park and/or several of the other large heat providers identified.</p> <p>The timeframe of the proposed development is such that connection to a district heating network will be attractive to developers seeking to comply with future versions of the Building Regulations and funding for the infrastructure may be available through the Allowable Solutions compliance requirement proposed for the Zero Carbon methodology in 2016.</p>	<p>Uncertainty of financial and technical viability</p> <p>Timing of new development</p> <p>Multiple stakeholders</p> <p>The development of the Academy is currently underway and if compatibility measures are not incorporated it could potentially reduce the scheme viability.</p>	<p>Contact other possible stakeholders/significant buildings in the area to obtain data and discuss opportunities for connection, particularly CONEL and Tesco.</p> <p>Work with the developers of the Academy to ensure compatibility to a future district heating network is not prejudiced by the proposed scheme design and, where possible, actively supports it.</p> <p>Undertake a more detailed technical and financial assessment of district heating feasibility to assess network routes, plant options, energy centre locations, delivery risks and barriers, capital costs, CO₂ savings and commercial viability.</p> <p>Carry out an assessment of the existing communal heating system and plant in the Alma Road Towers.</p> <p>Review of proposals for the new Ponders End Academy to ensure design does not prevent future connection.</p> <p>Inclusion of policies to support a future district heating network within the AAP (to be supported by this report and more detailed follow-up work) and incorporation of energy infrastructure plans and requirements within the masterplan for the Place Shaping Priority Area.</p>
4	Enfield Town	High	<p>The total annual heat demand from the buildings identified in this study is estimated to be 16,985MWh/year.</p> <p>This cluster contains a significant number of buildings and building types that could provide a good heat demand profile.</p> <p>The buildings identified in this study are predominantly Council-owned which</p>	<p>Uncertainty of financial and technical viability</p> <p>Timing of new development</p> <p>Uncertainty around the future of the Civic Centre (which has the largest annual heating demand</p>	<p>Contact other possible stakeholders/significant buildings in the area to obtain data and discuss opportunities for connection, particularly Marks and Spencer, Waitrose and Esporta.</p> <p>Assessment and incorporation of a potential decentralised energy strategy within the masterplan for the Place Shaping Priority Area.</p> <p>Inclusion of policies to support a future district heating network within the AAP (to be supported by this report and more detailed follow-up work) and incorporation of energy infrastructure plans and</p>

			<p>means that there is not only a greater incentive to connect but the Council has a potentially greater influence over the implementation of a district heating network which simplifies delivery.</p> <p>The timeframe of the proposed development is such that connection to a district heating network will be attractive to developers seeking to comply with future versions of the Building Regulations and funding for the infrastructure may be available through the Allowable Solutions compliance requirement proposed for the Zero Carbon methodology in 2016.</p>	in this area)	<p>requirements within the masterplan for the Place Shaping Priority Area.</p> <p>Undertake a more detailed technical and financial assessment of the feasibility of a district heating network in the area to assess network routes, plant options, energy centre locations, delivery risks and barriers, capital costs, CO₂ savings and commercial viability.</p>
5	Edmonton	High	<p>The total annual heat demand from the buildings identified in this study is estimated to be 11,487MWh/year.</p> <p>Most of the large annual heat demands identified are from existing buildings in the area.</p> <p>Most of the identified buildings in this location are public and the Council which means that there is not only a greater incentive to connect but the Council has a potentially greater influence over the implementation of a district heating network which simplifies delivery.</p> <p>The future redevelopment of this area may act as a catalyst to implement a district heating network.</p>	<p>Uncertainty of financial and technical viability</p> <p>Uncertainty over future redevelopment plans</p> <p>Multiple stakeholders</p>	<p>Contact other possible stakeholders/significant buildings in the area to obtain further data and discuss opportunities for connection, particularly North London Clinic, the retail and residential buildings at Edmonton Green and Fusion Lifestyle (who own the leisure centre).</p> <p>Undertake a more detailed technical and financial assessment of the feasibility of a district heating network in the area to assess network routes, plant options, energy centre locations, delivery risks and barriers, capital costs, CO₂ savings and commercial viability.</p> <p>Inclusion of policies to support a future district heating network within the AAP (to be supported by this report and more detailed follow-up work) and incorporation of energy infrastructure plans and requirements within the masterplan for the Place Shaping Priority Area.</p>
7	Meridian Water	High	<p>The total annual heat demand from the buildings identified in this study is estimated to be 25,774MWh/year.</p> <p>The proposals are for an almost complete redevelopment of the area and as such the development of an energy network alongside the buildings and other infrastructure should be more straightforward and cost effective.</p> <p>Developers are likely to be required to connect to or create energy networks by the planning policies in place.</p>	<p>Uncertainty of financial and technical viability</p> <p>Eventual, scale, type, timing and phasing of new development (which is more</p>	<p>Inclusion of policies to support a future district heating network within the AAP (to be supported by this report and more detailed follow-up work) and incorporation of energy infrastructure plans and requirements within the masterplan for the Place Shaping Priority Area.</p> <p>Possibility of looking to identify an ESCO partner to deliver the infrastructure across the area (a similar approach to Olympic Park could be taken, whereby the strength of the planning policy forcing connection could be used to make the scheme more attractive and attract more interest and investment).</p> <p>Future engagement and support for developers and design teams to ensure a common understanding of the aims and requirements for</p>

			The timeframe of the proposed development is such that connection to a district heating network will be attractive to developers seeking to comply with future versions of the Building Regulations and funding for the infrastructure may be available through the Allowable Solutions compliance requirement proposed for the Zero Carbon methodology in 2016.		delivering a district heating network.
9	New Southgate	Medium	<p>The total annual heat demand from the buildings identified in this study is estimated to be 6,021MWh/year.</p> <p>The proposed redevelopment of the site could act as a catalyst for</p> <p>The timeframe of the proposed development is such that connection to a district heating network will be attractive to developers seeking to comply with future versions of the Building Regulations.</p>	Uncertainty of financial and technical viability	<p>Inclusion of policies to support a future district heating network within the AAP (to be supported by this report and more detailed follow-up work) and incorporation of energy infrastructure plans and requirements within the masterplan for the Place Shaping Priority Area.</p> <p>Possibility of looking to identify an ESCO partner to deliver the infrastructure across the area.</p>
1	Innova Park	Medium	<p>The total annual heat demand from the buildings identified in this study is estimated to be 5,209MWh/year.</p> <p>Although the total annual heat demand is relatively low compared to other clusters the location and future development potential in this location mean that it could be a possible option for delivering decentralised energy, particularly the future connection to a wider decentralised energy network in the Upper Lee Valley.</p>	Difficulties obtaining a consensus from private stakeholders	<p>Contact other possible stakeholders/significant buildings in the area to obtain data and discuss opportunities for connection, including the Premier Inn hotel and the retail and commercial buildings within the business park.</p> <p>Undertake marketing surveys to understand the extent to which a low carbon energy network would attract businesses to the area.</p> <p>If further work was to be undertaken it would need to be supported communication with stakeholders and marketing to promote the concept.</p>
6	West Leaside	Medium	<p>The total annual heat demand from the buildings identified in this study is estimated to be 26,326MWh/year.</p> <p>The heat demand of the North Middlesex Hospital is the second largest in the Borough (based on the data collected) and makes up most of the total heat demand in this cluster.</p> <p>Long term there is the potential to create a link from the proposed network at Meridian Water and possible connection to the future energy from waste site in Edmonton to this cluster.</p>	Interest of the North Middlesex University Hospital Trust to connect to or supply a district heating network	<p>Consultation with the hospital to understand future plans, inform them about the DeMAP study and to look at the opportunities for connection to a future network and/or expansion of the current network to the neighbouring areas.</p> <p>Contact other possible stakeholders/significant buildings in the area to obtain data that might improve the relative potential of this location including the offices around Cockfosters Station, Southgate College (to understand the potential for future redevelopment) and the London Borough of Barnet.</p> <p>Conduct a high level review of potential routes across the road and rail barriers from the Meridian Water site.</p>

10	Cockfosters	Medium/Low	<p>The total annual heat demand from the buildings identified in this study is estimated to be 8,134MWh/year.</p> <p>The most significant buildings identified are all public, mainly schools and social housing.</p> <p>There is limited potential for expansion in this area relative to the clusters in the east of the Borough adjacent to the Upper Lee Valley although there are a number of buildings in the adjacent area of Barnet.</p> <p>Southgate College had been planning to redevelop their site prior to recent budget cuts. If this was reconsidered then it could act as the trigger for further consideration.</p>	Relatively few buildings and small heat demand based on buildings identified.	Contact other possible stakeholders/significant buildings in the area to obtain data that might improve the relative potential of this location including the offices around Cockfosters Station, Southgate College (to understand the potential for future redevelopment) and the London Borough of Barnet.
2	Southbury	Low	<p>The total annual heat demand from the buildings identified in this study is estimated to be 4,764MWh/year.</p> <p>The area has relatively few significant buildings and a significantly smaller annual heat demand relative to the other clusters identified based on the buildings identified.</p> <p>Data was not able to be collected from the significant number of commercial and retail premises in this location, which could increase the collective heat demands for the area. However, securing agreement for connecting to a district heating network with such a disparate group of private companies is likely to be difficult.</p> <p>This cluster is in a strategic location between two clusters with a high priority (Ponders End and Enfield Town) so in the long term could potentially act as a bridge for interconnection.</p>	Not considered in any further detail.	
8	Palmers Green	Low	<p>The total annual heat demand from the buildings identified in this study is estimated to be 3,086MWh/year</p> <p>The area has relatively few significant buildings and a significantly smaller annual heat demand relative to the other clusters identified.</p>	Not considered in any further detail.	

Appendices

Appendix 1: DeMAP Data Collection Template

Major Heat Loads

OXS	OYS	Object ID	Name	Address	Postcode	Ownership	New Development	Typology	Heating supply	Fuel source	Fuel consumption from all assets excluding CHP	Fuel consumption from CHP (MWh/year)	Gross internal floor area (m²)	Number of dwellings	Installed thermal capacity from all assets	CHP Installed power (MWe)	CHP Installed thermal capacity (MWe)	CO2 emissions (tCO2/year)	Year of Construction	Year of data collection	Start date	Completion date	Data Source	Confidentiality of data
536002	195809		Alma Primary		EN3 4UQ	Local government	No	Education facilities	Individual boilers	Natural gas	369.64									2008-2009			LB Enfield NI185	Yes
529879	192208		Bowes Primary		N11 2HL	Local government	No	Education facilities	Individual boilers	Natural gas	300.61									2008-2009			LB Enfield NI185	Yes
534332	192767		Brettenham Primary		N18 2ET	Local government	No	Education facilities	Individual boilers	Natural gas	459.07									2008-2009			LB Enfield NI185	Yes
535959	196892		Brimsdown Primary		EN3 7NA	Local government	No	Education facilities	Individual boilers	Natural gas	788.45									2008-2009			LB Enfield NI185	Yes
534139	195834		Bush Hill Park		EN1 1DS	Local government	No	Education facilities	Individual boilers	Natural gas	648.58									2008-2009			LB Enfield NI185	Yes
534602	199562		Capel Manor		EN1 4RL	Local government	No	Education facilities	Individual boilers	Natural gas	224.18									2008-2009			LB Enfield NI185	Yes
534567	197594		Carterhatch Primary		EN1 4JY	Local government	No	Education facilities	Individual boilers	Natural gas	823.70									2008-2009			LB Enfield NI185	Yes
532299	197290		Chase Side Primary		EN2 6NS	Local government	No	Education facilities	Individual boilers	Natural gas	327.92									2008-2009			LB Enfield NI185	Yes
536243	198668		Chesterfield Primary		EN3 6BG	Local government	No	Education facilities	Individual boilers	Natural gas	639.49									2008-2009			LB Enfield NI185	Yes
528719	195540		De Bohun Primary		N14 4AD	Local government	No	Education facilities	Individual boilers	Natural gas	545.78									2008-2009			LB Enfield NI185	Yes
533790	194152		Churchfield Primary		N9 9PL	Local government	No	Education facilities	Individual boilers	Natural gas	440.46									2008-2009			LB Enfield NI185	Yes
535446	194889		Cuckoo Hall Primary		N9 8DR	Local government	No	Education facilities	Individual boilers	Natural gas	745.29									2008-2009			LB Enfield NI185	Yes
535707	198155		Eastfield Primary		EN3 5UX	Local government	No	Education facilities	Individual boilers	Natural gas	460.49									2008-2009			LB Enfield NI185	Yes
535058	194177		Eldon Infants and Juniors		N9 8LG	Local government	No	Education facilities	Individual boilers	Natural gas	656.28									2008-2009			LB Enfield NI185	Yes
530605	195522		Eversley Primary		N21 1PD	Local government	No	Education facilities	Individual boilers	Natural gas	357.98									2008-2009			LB Enfield NI185	Yes
532811	193418		Firs Farm Primary		N13 5QP	Local government	No	Education facilities	Individual boilers	Natural gas	462.63									2008-2009			LB Enfield NI185	Yes
534334	192765		Fleecefield Primary		N18 2ES	Local government	No	Education facilities	Individual boilers	Natural gas	303.63									2008-2009			LB Enfield NI185	Yes
534178	198690		Fony Hill Primary		EN2 9EY	Local government	No	Education facilities	Individual boilers	Natural gas	212.66									2008-2009			LB Enfield NI185	Yes
535635	199064		Freezywater St Georges		EN3 6NR	Local government	No	Education facilities	Individual boilers	Natural gas	184.32									2008-2009			LB Enfield NI185	Yes
534411	195023		Galliard Primary		N9 7PE	Local government	No	Education facilities	Individual boilers	Natural gas	407.82									2008-2009			LB Enfield NI185	Yes
529086	192213		Garfield Primary		N11 1RR	Local government	No	Education facilities	Individual boilers	Natural gas	313.27									2008-2009			LB Enfield NI185	Yes
533772	196482		George Spicer		EN1 1YF	Local government	No	Education facilities	Individual boilers	Natural gas	394.98									2008-2009			LB Enfield NI185	Yes
531034	196051		Grange Park		N21 1PP	Local government	No	Education facilities	Individual boilers	Natural gas	452.98									2008-2009			LB Enfield NI185	Yes
526435	198398		Hadley Wood		EN4 0HT	Local government	No	Education facilities	Individual boilers	Natural gas	248.72									2008-2009			LB Enfield NI185	Yes
533295	193332		Hazelbury Infants and Juniors		N9 9TT	Local government	No	Education facilities	Individual boilers	Natural gas	1081.98									2008-2009			LB Enfield NI185	Yes
531450	192704		Hazelwood Infants and Juniors		N13 5HE	Local government	No	Education facilities	Individual boilers	Natural gas	537.27									2008-2009			LB Enfield NI185	Yes
534968	199463		Honilands Primary		EN1 4RE	Local government	No	Education facilities	Individual boilers	Natural gas	357.97									2008-2009			LB Enfield NI185	Yes
534708	194623		Houndsfield		N9 7RE	Local government	No	Education facilities	Individual boilers	Natural gas	722.03									2008-2009			LB Enfield NI185	Yes
533801	193638		Latymer All Saints		N9 9RS	Local government	No	Education facilities	Individual boilers	Natural gas	612.21									2008-2009			LB Enfield NI185	Yes
536511	199252		Keys Meadow		EN3 6FB	Local government	No	Education facilities	Individual boilers	Natural gas	408.02									2008-2009			LB Enfield NI185	Yes
533059	197985		Lavender		EN2 0SX	Local government	No	Education facilities	Individual boilers	Natural gas	432.59									2008-2009			LB Enfield NI185	Yes
530841	196492		Merryhills		EN2 7RE	Local government	No	Education facilities	Individual boilers	Natural gas	544.72									2008-2009			LB Enfield NI185	Yes
532128	192287		Oakhorpe		N13 6BY	Local government	No	Education facilities	Individual boilers	Natural gas	451.62									2008-2009			LB Enfield NI185	Yes
529154	192400		Our Lady of Lourdes		N11 1RD	Local government	No	Education facilities	Individual boilers	Natural gas	194.84									2008-2009			LB Enfield NI185	Yes
536798	198553		Prince of Wales		EN3 6HG	Local government	No	Education facilities	Individual boilers	Natural gas	639.85									2008-2009			LB Enfield NI185	Yes
533488	194876		Raglan Juniors		EN1 2RG	Local government	No	Education facilities	Individual boilers	Natural gas	344.14									2008-2009			LB Enfield NI185	Yes
533465	194797		Raglan Infants		EN1 2NS	Local government	No	Education facilities	Individual boilers	Natural gas	406.59									2008-2009			LB Enfield NI185	Yes
534346	192236		Raynham Primary		N18 2JQ	Local government	No	Education facilities	Individual boilers	Natural gas	781.49									2008-2009			LB Enfield NI185	Yes
535125	196338		Southbury Primary		EN3 4JG	Local government	No	Education facilities	Individual boilers	Natural gas	424.25									2008-2009			LB Enfield NI185	Yes
533027	197185		St Andrews		EN1 3UL	Local government	No	Education facilities	Individual boilers	Natural gas	444.97									2008-2009			LB Enfield NI185	Yes
534676	194044		St Edmunds		N9 7HJ	Local government	No	Education facilities	Individual boilers	Natural gas	358.77									2008-2009			LB Enfield NI185	Yes
532821	197362		St Georges		EN2 0QA	Local government	No	Education facilities	Individual boilers	Natural gas	434.97									2008-2009			LB Enfield NI185	Yes
533970	192039		St John & St James		N18 2TL	Local government	No	Education facilities	Individual boilers	Natural gas	159.76									2008-2009			LB Enfield NI185	Yes
535282	197231		St James		EN3 7HH	Local government	No	Education facilities	Individual boilers	Natural gas	212.59									2008-2009			LB Enfield NI185	Yes
531799	199005		St Johns CE		EN2 9BD	Local government	No	Education facilities	Individual boilers	Natural gas	86.81									2008-2009			LB Enfield NI185	Yes
535746	196167		St Marys RC		EN3 7DE	Local government	No	Education facilities	Individual boilers	Natural gas	336.55									2008-2009			LB Enfield NI185	Yes
535449	195674		St Matthews		EN3 4LA	Local government	No	Education facilities	Individual boilers	Natural gas	118.71									2008-2009			LB Enfield NI185	Yes
531293	191925		St Michael at Bowes		N13 6JB	Local government	No	Education facilities	Individual boilers	Natural gas	303.77									2008-2009			LB Enfield NI185	Yes
532321	197873		St Michaels CE		EN2 0NB	Local government	No	Education facilities	Individual boilers	Natural gas	192.54									2008-2009			LB Enfield NI185	Yes
530203	193187		St Monicas RC		N14 7HE	Local government	No	Education facilities	Individual boilers	Natural gas	231.89									2008-2009			LB Enfield NI185	Yes
531633	194592		St Pauls		N21 2RA	Local government	No	Education facilities	Individual boilers	Natural gas	278.89									2008-2009			LB Enfield NI185	Yes
533393	193974		Starks Field		N9 9SJ	Local government	No	Education facilities	Individual boilers	Natural gas	232.31									2008-2009			LB Enfield NI185	Yes
529717	193512		Walker		N14 7EG	Local government	No	Education facilities	Individual boilers	Natural gas	293.26									2008-2009			LB Enfield NI185	Yes
532828	192097		Wilbury		N18 1DE	Local government	No	Education facilities	Individual boilers	Natural gas	492.00									2008-2009			LB Enfield NI185	Yes
529596	194650		West Grove		N14 4LR	Local government	No	Education facilities	Individual boilers	Natural gas	419.70									2008-2009			LB Enfield NI185	Yes
532041	194019		Highfield		N21 3HE	Local government	No	Education facilities	Individual boilers	Natural gas	474.45									2008-2009			LB Enfield NI185	Yes
533965	198317		Worcesters		EN1 4UF	Local government	No	Education facilities	Individual boilers	Natural gas	487.42									2008-2009			LB Enfield NI185	Yes
529665	195029		Wolfson Hill		N14 4LG	Local government	No	Education facilities	Individual boilers	Natural gas	198.47													
529605	194659		St Andrews Southgate		N14 6JA	Local government	No	Education facilities	Individual boilers	Natural gas	698.64													
536771	198993		Albany Secondary (OASIS)		EN3 7XH	Local government	No	Education facilities	Individual boilers	Natural gas	1960.20									2008-2009			LB Enfield NI185	Yes

532917	192731	Gladys Aylward		N18 1NB	Local government	No	Education facilities	Individual boilers	Natural gas	1260.78									2008-2009			LB Enfield NI185	Yes
533129	197539	Chace Community		EN1 3HQ	Local government	No	Education facilities	Individual boilers	Natural gas	1149.92									2008-2009			LB Enfield NI185	Yes
533028	194479	Edmonton Lower		EN1 1HQ	Local government	No	Education facilities	Individual boilers	Natural gas	786.67									2008-2009			LB Enfield NI185	Yes
533832	194716	Edmonton Upper		EN1 1HQ	Local government	No	Education facilities	Individual boilers	Natural gas	1230.87									2008-2009			LB Enfield NI185	Yes
533071	197971	Enfield County Lower		EN2 0SP	Local government	No	Education facilities	Individual boilers	Natural gas	643.09									2008-2009			LB Enfield NI185	Yes
532660	196786	Enfield County Upper		EN2 6QG	Local government	No	Education facilities	Individual boilers	Natural gas	675.45									2008-2009			LB Enfield NI185	Yes
532707	196650	Enfield Grammar Upper		EN2 6LN	Local government	No	Education facilities	Individual boilers	Natural gas	769.49									2008-2009			LB Enfield NI185	Yes
532839	197038	Enfield Grammar Lower		EN1 3EX	Local government	No	Education facilities	Individual boilers	Natural gas	645.10									2008-2009			LB Enfield NI185	Yes
532963	196361	St Annes Lower		N13 5TY	Local government	No	Education facilities	Individual boilers	Natural gas	960.93									2008-2009			LB Enfield NI185	Yes
531090	192526	St Annes Upper		N13 5TY	Local government	No	Education facilities	Individual boilers	Natural gas	713.78									2008-2009			LB Enfield NI185	Yes
534183	196755	Kingsmead		EN1 1YQ	Local government	No	Education facilities	Individual boilers	Natural gas	1714.00									2008-2009			LB Enfield NI185	Yes
530998	196168	Highlands		N21 1QQ	Local government	No	Education facilities	Individual boilers	Natural gas	1508.61									2008-2009			LB Enfield NI185	Yes
535460	199772	Lea Valley High		EN3 6TW	Local government	No	Education facilities	Individual boilers	Natural gas	1033.66									2008-2009			LB Enfield NI185	Yes
533405	193668	The Latymer		N9 9TN	Local government	No	Education facilities	Individual boilers	Natural gas	3049.42									2008-2009			LB Enfield NI185	Yes
535338	194582	Turin Grove		N9 8DQ	Local government	No	Education facilities	Individual boilers	Natural gas	1840.70									2008-2009			LB Enfield NI185	Yes
528736	195890	Southgate		EN4 0BL	Local government	No	Education facilities	Individual boilers	Natural gas	2260.52									2008-2009			LB Enfield NI185	Yes
534539	198919	St Ignatius College		EN1 4NP	Local government	No	Education facilities	Individual boilers	Natural gas	1845.16									2008-2009			LB Enfield NI185	Yes
532138	193886	Winchmore		N21 3HS	Local government	No	Education facilities	Individual boilers	Natural gas	1032.82									2008-2009			LB Enfield NI185	Yes
534676	197189	Bishop Stopford's		EN1 3PU	Local government	No	Education facilities	Individual boilers	Natural gas	1206.75									2008-2009			LB Enfield NI185	Yes
529904	192375	Broomfield		N14 7HY	Local government	No	Education facilities	Individual boilers	Natural gas	1040.18									2008-2009			LB Enfield NI185	Yes
535372	199093	Aylands Special		EN3 6NY	Local government	No	Education facilities	Individual boilers	Natural gas	261.23									2008-2009			LB Enfield NI185	Yes
535182	197871	Durrants Special		EN3 5BY	Local government	No	Education facilities	Individual boilers	Natural gas	455.11									2008-2009			LB Enfield NI185	Yes
528389	195437	Oaktree Special		N14 4HN	Local government	No	Education facilities	Individual boilers	Natural gas	295.05									2008-2009			LB Enfield NI185	Yes
533167	193399	West Lea Special		N9 9TU	Local government	No	Education facilities	Individual boilers	Natural gas	464.07									2008-2009			LB Enfield NI185	Yes
535355	196483	Waverley Special		EN3 7DL	Local government	No	Education facilities	Individual boilers	Natural gas	2138.36									2008-2009			LB Enfield NI185	Yes
534522	197759	Russet House		EN1 4JA	Other public	No	Education facilities	Individual boilers	Natural gas	197.44									2008-2009			LB Enfield NI185	Yes
529122	197395	Middlesex University		N14 4YZ	Other public	No	Education facilities	Individual boilers	Natural gas	5845.00									2009-2010			Middlesex University	Yes
528247	195545	Southgate College		N14 6BS	Other public	No	Education facilities	Individual boilers	Natural gas	2954.60									2009-2010			Southgate College	Yes
535179	196728	Conel		EN3 5HA	Other public	No	Education facilities	Individual boilers	Natural gas	0.00									2008-2009			LB Enfield NI185	Yes
529890	194524	Southgate Leisure Centre		N14 6AD	Private	No	Sport & Leisure facilities	Assets including CHP	Natural gas	1703.38									2008-2009			LB Enfield NI185	Yes
529535	192375	Arnos Pool and Bowes Library		N11 1BD	Private	No	Sport & Leisure facilities	Individual boilers	Natural gas	999.09									2008-2009			LB Enfield NI185	Yes
535574	198384	Albany Swimming Pool		EN3 5XH	Private	No	Sport & Leisure facilities	Assets including CHP	Natural gas	1997.50									2008-2009			LB Enfield NI185	Yes
534155	196618	Southbury Leisure Centre		EN1 1YP	Private	No	Sport & Leisure facilities	Assets including CHP	Natural gas	2570.76									2008-2009			LB Enfield NI185	Yes
534366	193514	Edmonton leisure Centre		N9 0TR	Private	No	Sport & Leisure facilities	Assets including CHP	Natural gas	2771.74									2008-2009			LB Enfield NI185	Yes
534799	196676	Crown Road Lorry Park,		EN1 1TH	Local government	No	Local government estate	Central Boilers	Natural gas	55.06									2008-2009			LB Enfield NI185	Yes
537251	198502	Enfield Island Village Library		EN3 6GS	Local government	No	Local government estate	Central Boilers	Natural gas	18.10									2008-2009			LB Enfield NI185	Yes
533640	198561	Forty Hall & Banqueting Suite		EN2 9HA	Local government	No	Local government estate	Central Boilers	Natural gas	416.67									2008-2009			LB Enfield NI185	Yes
532939	192585	Millfield House		N18 1PJ	Local government	No	Local government estate	Central Boilers	Natural gas	266.05									2008-2009			LB Enfield NI185	Yes
532901	192596	Millfield Theatre & Weir Hall Library		N18 1PJ	Local government	No	Local government estate	Central Boilers	Natural gas	323.87									2008-2009			LB Enfield NI185	Yes
533350	194513	Salisbury House		N9 9LA	Local government	No	Local government estate	Central Boilers	Natural gas	87.69									2008-2009			LB Enfield NI185	Yes
532985	194145	Church Street rec. Public convenience		N9 9HP	Local government	No	Local government estate	Central Boilers	Natural gas	6.74									2008-2009			LB Enfield NI185	Yes
529244	192606	Arnos Park Messroom		N11 1BP	Local government	No	Local government estate	Central Boilers	Natural gas	6.88									2008-2009			LB Enfield NI185	Yes
530432	192574	Broomfield Park Conservatory		N13 4HE	Local government	No	Local government estate	Central Boilers	Natural gas	140.32									2008-2009			LB Enfield NI185	Yes
533688	196186	Bush Hill Park Pavilion		EN1 1PR	Local government	No	Local government estate	Central Boilers	Natural gas	96.28									2008-2009			LB Enfield NI185	Yes
533779	194327	Churchfield Play & Resources Centre		N9 9PN	Local government	No	Local government estate	Central Boilers	Natural gas	34.80									2008-2009			LB Enfield NI185	Yes
533206	193848	Church Street rec. Pavilion		N9 9HP	Local government	No	Local government estate	Central Boilers	Natural gas	50.41									2008-2009			LB Enfield NI185	Yes
532164	193567	Clowes Sports Pavilion		N21 3AU	Local government	No	Local government estate	Central Boilers	Natural gas	39.90									2008-2009			LB Enfield NI185	Yes
535508	196725	Durants Park Changing Room & fellowship hut		EN3 5AL	Local government	No	Local government estate	Central Boilers	Natural gas	7.53									2008-2009			LB Enfield NI185	Yes
534021	197333	Enfield playing fields - north pavilion		EN1 3PL	Local government	No	Local government estate	Central Boilers	Natural gas	319.93									2008-2009			LB Enfield NI185	Yes
534026	196813	Enfield playing fields - central pavilion		EN1 3AA	Local government	No	Local government estate	Central Boilers	Natural gas	56.68									2008-2009			LB Enfield NI185	Yes
532463	193575	Firs farm recreation changing rooms		N21 2HT	Local government	No	Local government estate	Central Boilers	Natural gas	110.43									2008-2009			LB Enfield NI185	Yes
531841	192891	Hazelwood sports ground		N13 5SZ	Local government	No	Local government estate	Central Boilers	Natural gas	24.84									2008-2009			LB Enfield NI185	Yes
534453	194581	Henry barrass stadium		N9 7RA	Local government	No	Local government estate	Central Boilers	Natural gas	55.45									2008-2009			LB Enfield NI185	Yes
535184	193237	Montague rec sports pavilion		N9 0EU	Local government	No	Local government estate	Central Boilers	Natural gas	51.30									2008-2009			LB Enfield NI185	Yes
533653	192486	Pymmes Park edmonton opc & landscape services		N18 2UF	Local government	No	Local government estate	Central Boilers	Natural gas	227.07									2008-2009			LB Enfield NI185	Yes
533686	192491	Pymmes Park - rangers office		N9 9SU	Local government	No	Local government estate	Central Boilers	Natural gas	142.17									2008-2009			LB Enfield NI185	Yes
533755	193015	Pymmes Park north pavilion		N9 9SU	Local government	No	Local government estate	Central Boilers	Natural gas	36.25									2008-2009			LB Enfield NI185	Yes
532052	192050	Tottenham sports ground pavilion		N13 6DL	Local government	No	Local government estate	Central Boilers	Natural gas	151.94									2008-2009			LB Enfield NI185	Yes
532694	198839	Stable Block whitewebbs		EN2 9HH	Local government	No	Local government estate	Central Boilers	Natural gas	42.29									2008-2009			LB Enfield NI185	Yes
528977	197081	Trent Park, bothy and office		EN4 OPS	Local government	No	Local government estate	Central Boilers	Natural gas	43.76									2008-2009			LB Enfield NI185	Yes
528977	197081	Trent Park - swiss cottage		EN4 OPS	Local government	No	Local government estate	Central Boilers	Natural gas	0.04									2008-2009			LB Enfield NI185	Yes
534284	192329	Angel Community Centre		N18 2JF	Local government	No	Local government estate	Central Boilers	Natural gas	69.71									2008-2009			LB Enfield NI185	Yes
532860	196776	Redlingtons		EN1 3EP	Local government	No	Local government estate	Central Boilers	Natural gas	94.78									2008-2009			LB Enfield NI185	Yes
532985	194145	Edmonton Cemetery mess room		N9 9HP	Local government	No	Local government estate	Central Boilers	Natural gas	5.15									2008-2009			LB Enfield NI185	Yes

532099	198167	Lavender Hill Cemetery mess room		EN2 0TH	Local government	No	Local government estate	Central Boilers	Natural gas	12.38										2008-2009			LB Enfield NI185	Yes
532932	196846	Civic Centre		EN1 3XA	Local government	No	Local government estate	Central Boilers	Natural gas	4855.85										2008-2009			LB Enfield NI185	Yes
533004	196635	1-4 River Front		EN1 3SY	Local government	No	Local government estate	Central Boilers	Natural gas	226.06										2008-2009			LB Enfield NI185	Yes
530941	192408	Southgate Town Hall		N13 4XD	Local government	No	Local government estate	Central Boilers	Natural gas	832.55										2008-2009			LB Enfield NI185	Yes
532479	196771	Gentleman's Row		EN2 4PT	Local government	No	Local government estate	Central Boilers	Natural gas	123.08										2008-2009			LB Enfield NI185	Yes
533608	196728	Professional Development Centre		EN1 3SN	Local government	No	Local government estate	Central Boilers	Natural gas	28.00										2008-2009			LB Enfield NI185	Yes
535270	195522	John Wilks House		EN3 4EN	Local government	No	Local government estate	Central Boilers	Natural gas	205.07										2008-2009			LB Enfield NI185	Yes
532860	196776	58-60 Silver Street		EN1 3EP	Local government	No	Local government estate	Central Boilers	Natural gas	141.53										2008-2009			LB Enfield NI185	Yes
534525	193463	Edmonton Centre 36-44 South Mall		N9 ONX	Local government	No	Local government estate	Central Boilers	Natural gas	608.61										2008-2009			LB Enfield NI185	Yes
534194	193020	Community House (ex mkbuilding)		N9 OQQ	Local government	No	Local government estate	Central Boilers	Natural gas	415.87										2008-2009			LB Enfield NI185	Yes
535201	197356	Walford House		EN3 5JH	Local government	No	Local government estate	Central Boilers	Natural gas	93.07										2008-2009			LB Enfield NI185	Yes
534947	196229	Enfield Training Services 461 Southbury Road		EN3 4HX	Local government	No	Local government estate	Central Boilers	Natural gas	36.54										2008-2009			LB Enfield NI185	Yes
531025	192731	Triangle House		N13 4YB	Local government	No	Local government estate	Central Boilers	Natural gas	71.32										2008-2009			LB Enfield NI185	Yes
534054	195789	Wheatsheaf Hall		EN1 1DS	Local government	No	Local government estate	Central Boilers	Natural gas	112.84										2008-2009			LB Enfield NI185	Yes
534963	199331	Bullsmoor Library		EN1 4QS	Local government	No	Local government estate	Central Boilers	Natural gas	114.06										2008-2009			LB Enfield NI185	Yes
533902	195832	Bush Hill Park Library		EN1 1DW	Local government	No	Local government estate	Central Boilers	Natural gas	58.38										2008-2009			LB Enfield NI185	Yes
535154	197370	Enfield highway Library		EN3 5BN	Local government	No	Local government estate	Central Boilers	Natural gas	75.66										2008-2009			LB Enfield NI185	Yes
535688	198858	Ordnance Road Library		EN3 6ND	Local government	No	Local government estate	Central Boilers	Natural gas	128.58										2008-2009			LB Enfield NI185	Yes
535208	195846	Ponders End Library		EN3 4EY	Local government	No	Local government estate	Central Boilers	Natural gas	34.10										2008-2009			LB Enfield NI185	Yes
532834	194782	Ridge Avenue Library		N21 2RH	Local government	No	Local government estate	Central Boilers	Natural gas	141.76										2008-2009			LB Enfield NI185	Yes
531711	193889	Winchmore Hill Library		N21 3AP	Local government	No	Local government estate	Central Boilers	Natural gas	29.29										2008-2009			LB Enfield NI185	Yes
533452	198181	Bridge House		EN2 9HT	Local government	No	Local government estate	Central Boilers	Natural gas	627.27										2008-2009			LB Enfield NI185	Yes
528879	192402	Coppice Wood Lodge		N11 1LX	Local government	No	Local government estate	Central Boilers	Natural gas	705.73										2008-2009			LB Enfield NI185	Yes
532002	193684	Reardon Court		N21 3BG	Local government	No	Local government estate	Central Boilers	Natural gas	1148.93										2008-2009			LB Enfield NI185	Yes
532898	197368	Cheviots		EN1 3UZ	Local government	No	Local government estate	Central Boilers	Natural gas	159.51										2008-2009			LB Enfield NI185	Yes
533034	194166	265 Church Street		N9 9JA	Local government	No	Local government estate	Central Boilers	Natural gas	44.05										2008-2009			LB Enfield NI185	Yes
531939	196582	Fomont Centre		EN2 7BT	Local government	No	Local government estate	Central Boilers	Natural gas	199.99										2008-2009			LB Enfield NI185	Yes
535560	193915	12 North Way		N9 OAD	Local government	No	Local government estate	Central Boilers	Natural gas	256.50										2008-2009			LB Enfield NI185	Yes
535525	193945	Adult occupational therapy 14 Centre Way		N9 OAH	Local government	No	Local government estate	Central Boilers	Natural gas	35.66										2008-2009			LB Enfield NI185	Yes
529337	192428	Amos Family Centre		N11 1BA	Local government	No	Local government estate	Central Boilers	Natural gas	214.00										2008-2009			LB Enfield NI185	Yes
534343	193623	Edmonton Family Centre		N9 7SA	Local government	No	Local government estate	Central Boilers	Natural gas	110.14										2008-2009			LB Enfield NI185	Yes
534677	194484	William Preys Centre		N9 7RA	Local government	No	Local government estate	Central Boilers	Natural gas	145.27										2008-2009			LB Enfield NI185	Yes
535907	197661	Rose Taylor Day Centre		EN3 5EF	Local government	No	Local government estate	Central Boilers	Natural gas	197.92										2008-2009			LB Enfield NI185	Yes
533290	195238	Park Ave Day Centre		EN1 2HH	Local government	No	Local government estate	Central Boilers	Natural gas	351.62										2008-2009			LB Enfield NI185	Yes
535252	195966	Swan Annexe		EN3 4DX	Local government	No	Local government estate	Central Boilers	Natural gas	261.53										2008-2009			LB Enfield NI185	Yes
532879	196297	Thomas Hardy House		EN2 6DS	Local government	No	Local government estate	Central Boilers	Natural gas	270.85										2008-2009			LB Enfield NI185	Yes
534097	197790	Carterhatch Depot hsgworkshop		EN1 4BS	Local government	No	Local government estate	Central Boilers	Natural gas	2092.25										2008-2009			LB Enfield NI185	Yes
535946	195610	Alma Road			Other public	No	Multi-address buildings	Central Boilers	Natural gas	5944.72										2008-2009			LB Enfield NI185	Yes
535132	197073	Dean House			Other public	No	Multi-address buildings	Central Boilers	Natural gas	541.24										2008-2009			LB Enfield NI185	Yes
535865	196982	Durants Lodge			Other public	No	Multi-address buildings	Central Boilers	Natural gas	578.94										2008-2009			LB Enfield NI185	Yes
534688	197279	Ringlewell Close			Other public	No	Multi-address buildings	Central Boilers	Natural gas	76.06										2008-2009			LB Enfield NI185	Yes
		Comenways			Other public	No	Multi-address buildings	Central Boilers	Natural gas	267.96										2008-2009			LB Enfield NI185	Yes
533900	193714	John Adams Court			Other public	No	Multi-address buildings	Central Boilers	Natural gas	739.75										2008-2009			LB Enfield NI185	Yes
534691	193587	Len Warren House			Other public	No	Multi-address buildings	Central Boilers	Natural gas	489.29										2008-2009			LB Enfield NI185	Yes
533894	193379	Newstead House			Other public	No	Multi-address buildings	Central Boilers	Natural gas	392.65										2008-2009			LB Enfield NI185	Yes
534656	192719	Rushleigh House			Other public	No	Multi-address buildings	Central Boilers	Natural gas	341.36										2008-2009			LB Enfield NI185	Yes
534041	198044	Bliss House (& PurcellHouse)			Other public	No	Multi-address buildings	Central Boilers	Natural gas	1384.33										2008-2009			LB Enfield NI185	Yes
532728	198622	Bramley House			Other public	No	Multi-address buildings	Central Boilers	Natural gas	592.64										2008-2009			LB Enfield NI185	Yes
529025	195695	Buckfast House			Other public	No	Multi-address buildings	Central Boilers	Natural gas	444.26										2008-2009			LB Enfield NI185	Yes
528154	196112	Chaddlewood			Other public	No	Multi-address buildings	Central Boilers	Natural gas	1570.10										2008-2009			LB Enfield NI185	Yes
		Edith Simpson House			Other public	No	Multi-address buildings	Central Boilers	Natural gas	174.40										2008-2009			LB Enfield NI185	Yes
530626	192896	Fairweather Court			Other public	No	Multi-address buildings	Central Boilers	Natural gas	484.14										2008-2009			LB Enfield NI185	Yes
531531	191860	William House			Other public	No	Multi-address buildings	Central Boilers	Natural gas	653.64										2008-2009			LB Enfield NI185	Yes
533478	192299	North Middlesex Hospital			Other public	No	NHS	District heating	Natural gas	22813.41										2009-2010			North Middlesex Hospital	Yes
531257	198105	Chase Hospital			Other public	No	NHS	District heating	Oil	30637.45										2009-2010			Chase Farm Hospital	Yes
534894	196278	Kingswell House and land to the rear of 453 Southbury Road			Private	Yes				712.06										2009	2010		LB Enfield and AECOM	Yes
536887	198976	Land at Innova Park, Kinetic Crescent, EN3 - 330 dwellings			Private	Yes				1910.40										2010	2013		LB Enfield and AECOM	Yes
531602	200303	Glasgow Stud Farm, Burnt Farm Ride, EN2			Private	Yes				57.89										2011	2012		LB Enfield and AECOM	Yes
529813	193604	Ellington Court, High Street, N14			Private	Yes				69.47										2011	2012		LB Enfield and AECOM	Yes
535695	195403	Robin Hall, Gardiner Close, EN3			Private	Yes				52.10										2012	2013		LB Enfield and AECOM	Yes
531000	192400	Truro House, Green Lanes, N13			Private	Yes				150.52										2012	2013		LB Enfield and AECOM	Yes
531247	198095	Arnold House, 66 The Ridgeway, EN2			Private	Yes				78.64										2015	2016		LB Enfield and AECOM	Yes
534108	194811	Land at rear of 93-125 St Edmunds Road, N9			Private	Yes				125.82										2015	2016		LB Enfield and AECOM	Yes
529353	195400	Land at Gwallor House, Avenue Road, N14			Private	Yes				73.40										2015	2016		LB Enfield and AECOM	Yes

534651	193663	Edmonton Green North Mall, North Square, N9			Private	Yes				524.25										2015	2016	LB Enfield and AECOM	Yes
530984	192521	Southgate Town Hall, 251 Green Lanes, N13			Private	Yes				141.55										2014	2015	LB Enfield and AECOM	Yes
533310	191821	Bull Lane Sport Ground, Bull Lane, N18			Private	Yes				576.68										2015	2016	LB Enfield and AECOM	Yes
535391	198782	19 Gilbert Street, EN3			Private	Yes				376.29										2012	2013	LB Enfield and AECOM	Yes
531345	197830	Chase Farm Hospital, Hunters Way, EN2 - 256 dwellings			Private	Yes				1237.12										2017	2020	LB Enfield and AECOM	Yes
531371	193390	Hertford Court, 517 Green Lanes, N13			Private	Yes				57.99										2020	2021	LB Enfield and AECOM	Yes
531597	197633	Holtswites Hill Covered Reservoir, Drapers Road, EN2			Private	Yes				157.28										2015	2016	LB Enfield and AECOM	Yes
533048	196626	Enfield Town and Southbury Road, EN1 (500 dwellings)			Private	Yes				2498.26										2014	2018	LB Enfield and AECOM	Yes
536675	196137	Southern Brimsdown and East Duck Lees Lane, EN3 (400 dwellings)			Private	Yes				1998.61										2014	2018	LB Enfield and AECOM	Yes
535199	195966	Middlesex University + High St, EN3 (600 dwellings)			Private	Yes				2997.91										2014	2018	LB Enfield and AECOM	Yes
535796	191919	Kimberley Road (Meridian Water), N18 (1125 dwellings)			Private	Yes				5520.44										2014	2025	LB Enfield and AECOM	Yes
535796	191919	BOC & adjacent land (Meridian Water), N18 (1015 dwellings)			Private	Yes				4980.67										2014	2025	LB Enfield and AECOM	Yes
535796	191919	Tear Drop (Meridian Water), N18 (130 dwellings)			Private	Yes				628.23										2019	2020	LB Enfield and AECOM	Yes
535103	191875	Land around Tesco & Ikea (Meridian Water), N18 (2470 dwellings)			Private	Yes				11936.32										2020	2030	LB Enfield and AECOM	Yes
531736	192382	Private playing field, North Circular, N13			Private	Yes				822.05										2010	2011	LB Enfield and AECOM	Yes
529058	192087	Ladderswood Estate Redevelopment, Ladderswood Way, N11 (239 additional dwellings)			Private	Yes				1316.14										2011	2015	LB Enfield and AECOM	Yes
531633	192355	North Circular Road (from Bounds Green Road to Callard Avenue) - (1500 dwellings)			Private	Yes				7325.65										2014	2030	LB Enfield and AECOM	Yes
531208	192762	Media House, 8 Lodge Drive			Private	Yes				81.05										2009	2010	LB Enfield and AECOM	Yes
528139	196240	369-371 Cockfosters Road			Private	Yes				63.68										2009	2010	LB Enfield and AECOM	Yes
532142	196783	Florence Avenue Car Park, EN2			Private	Yes				69.47										2009	2010	LB Enfield and AECOM	Yes
531886	196555	19-23 Waverley Road EN2			Private	Yes				75.26										2010	2011	LB Enfield and AECOM	Yes
536237	197048	243 Green Street EN3			Private	Yes				69.47										2010	2011	LB Enfield and AECOM	Yes
530498	192287	253 Broomfield Lane N13			Private	Yes				156.31										2010	2011	LB Enfield and AECOM	Yes
531020	192046	1-6 Clock Parade, EN2			Private	Yes				167.88										2010	2011	LB Enfield and AECOM	Yes
535587	197120	Public House, 116 Green Street, EN3			Private	Yes				75.26										2010	2011	LB Enfield and AECOM	Yes
533747	192375	Garages adjacent to Dover House, Bolton Road N18			Private	Yes				92.63										2010	2011	LB Enfield and AECOM	Yes
529306	194862	Regal House, 27 Old Farm Avenue N14			Private	Yes				81.05										2010	2011	LB Enfield and AECOM	Yes
532879	196693	New River Loop car park, Silver Street EN1			Private	Yes				81.05										2010	2011	LB Enfield and AECOM	Yes
534941	193584	264 Town Road, N9			Private	Yes				81.05										2010	2011	LB Enfield and AECOM	Yes
535963	200991	229-245 High Street EN3			Private	Yes				69.47										2010	2011	LB Enfield and AECOM	Yes
525815	197724	80 Camlet Way, EN4			Private	Yes				28.95										2011	2012	LB Enfield and AECOM	Yes
534231	192926	289/291 Fore St N9			Private	Yes				144.73										2011	2012	LB Enfield and AECOM	Yes
531504	193430	90-120 Green Lanes N13			Private	Yes				219.99										2011	2012	LB Enfield and AECOM	Yes
531250	193224	Land rear of 483/499 Green Lanes, N13			Private	Yes				208.41										2011	2012	LB Enfield and AECOM	Yes
536904	198785	The Rifles Public House, 600 Ordnance Road, EN3			Private	Yes				133.15										2011	2012	LB Enfield and AECOM	Yes
536263	197329	18 Brimsdown Avenue EN3			Private	Yes				104.20										2011	2012	LB Enfield and AECOM	Yes
529531	196106	Merryhills Library, Enfield Road EN2			Private	Yes				73.40										2013	2014	LB Enfield and AECOM	Yes
533066	192216	North Middlesex Hospital Site, 1-20 Watermill Lane N18			Private	Yes				545.22										2014	2015	LB Enfield and AECOM	Yes
535933	195607	Former Public House, 173 South Street, EN3			Private	Yes				141.55										2014	2015	LB Enfield and AECOM	Yes
532658	196341	Car Park, Cecil Road, EN2			Private	Yes				131.06										2014	2015	LB Enfield and AECOM	Yes
531003	192408	187-199 Green Lanes (14 dwellings)			Private	Yes				73.40										2015	2016	LB Enfield and AECOM	Yes
532833	196241	Tower Point North, 52 Sydney Road, EN2 (77 dwellings)			Private	Yes				403.67										2015	2016	LB Enfield and AECOM	Yes
531588	192920	34 and Land rear of 2-32 New River Crescent, N13 (31 dwellings)			Private	Yes				162.52										2015	2016	LB Enfield and AECOM	Yes
534010	191994	57 Fore Street N18 (24 dwellings)			Private	Yes				125.82										2015	2016	LB Enfield and AECOM	Yes
529654	194102	141 High Street N14 (18 dwellings)			Private	Yes				94.37										2015	2016	LB Enfield and AECOM	Yes
531035	198044	191-193 The Ridgeway EN2 (10 dwellings)			Private	Yes				52.43										2015	2016	LB Enfield and AECOM	Yes
531429	197122	20 Uplands Park Road EN2 (16 dwellings)			Private	Yes				83.88										2015	2016	LB Enfield and AECOM	Yes
531497	196869	9a, 11 & 13 Slades Hill, EN2 (14 dwellings)			Private	Yes				73.40										2015	2016	LB Enfield and AECOM	Yes
533957	192855	56 Victoria Road N9 (13 dwellings)			Private	Yes				68.15										2015	2016	LB Enfield and AECOM	Yes
534845	194608	329 Hertford Road N9 (12 dwellings)			Private	Yes				62.91										2015	2016	LB Enfield and AECOM	Yes
530053	193325	Repair Garage, Cannon Hill Mews N14 (12 dwellings)			Private	Yes				62.91										2015	2016	LB Enfield and AECOM	Yes
532684	196588	Gala Club, Burleigh Way, EN2 (42 dwellings)			Private	Yes				220.19										2015	2016	LB Enfield and AECOM	Yes
534054	195789	59-61 Main Avenue EN1 (14 dwellings)			Private	Yes				73.40										2015	2016	LB Enfield and AECOM	Yes
533925	194516	164 Bury St (13 dwellings)			Private	Yes				68.27										2015	2016	LB Enfield and AECOM	Yes
534775	195765	318 Lincoln Road, EN3 (12 dwellings)			Private	Yes				57.99										2020	2021	LB Enfield and AECOM	Yes
533088	194141	267 Church Street, N9 (21 dwellings)			Private	Yes				101.48										2020	2021	LB Enfield and AECOM	Yes
534662	192817	Laundry Site, Brettenham Road, N18 (18 dwellings)			Private	Yes				86.99										2020	2021	LB Enfield and AECOM	Yes
531949	196737	79 Windmill Hill, EN2 (32 dwellings)			Private	Yes				154.64										2020	2021	LB Enfield and AECOM	Yes
535201	196592	25 Hertford Road, EN3 (24 dwellings)			Private	Yes				115.98										2020	2021	LB Enfield and AECOM	Yes
		Enfield Town Retail			Private	Yes				0.00										2010	2025	LB Enfield and AECOM	Yes
		Edmonton Green Retail			Private	Yes				0.00										2010	2025	LB Enfield and AECOM	Yes
		Angel Edmonton Retail			Private	Yes				0.00										2010	2025	LB Enfield and AECOM	Yes
		Southgate Retail			Private	Yes				0.00										2010	2025	LB Enfield and AECOM	Yes
		Palmers Green Retail			Private	Yes				0.00										2010	2025	LB Enfield and AECOM	Yes

			North East Enfield Industrial			Private	Yes				1350.00										2010	2025	LB Enfield and AECOM	Yes
			Central Leaside Industrial			Private	Yes				1350.00										2010	2025	LB Enfield and AECOM	Yes
533048	196626		Enfield Town			Local government	Yes				990.00										2010	2018	LB Enfield and AECOM	Yes
			Broomfield and Bowes School			Local government	Yes				675.00										2010	2011	LB Enfield and AECOM	Yes
			Albany School			Local government	Yes				337.50										2010	2011	LB Enfield and AECOM	Yes
535868	195404		Ponders End Academy			Local government	Yes				1125.00										2010	2011	LB Enfield and AECOM	Yes
			South East Borough School			Local government	Yes				1125.00										2016	2017	LB Enfield and AECOM	Yes
535796	191919		Meridian Water Primary 1 School			Local government	Yes				337.50										2016	2017	LB Enfield and AECOM	Yes
535796	191919		Meridian Water Primary 2 School			Local government	Yes				337.50										2016	2017	LB Enfield and AECOM	Yes
535796	191919		Meridian Water Secondary School			Local government	Yes				1125.00										2016	2017	LB Enfield and AECOM	Yes
			St Annes School			Local government	Yes				337.50										2016	2017	LB Enfield and AECOM	Yes
			Bush Hill School			Local government	Yes				1125.00										2016	2017	LB Enfield and AECOM	Yes
			North Circular Primary School			Local government	Yes				337.50										2016	2017	LB Enfield and AECOM	Yes
			Forest Road Health			Other public	Yes				630.00										2016	2017	LB Enfield and AECOM	Yes
535298	195863		Ponders End Health			Other public	Yes				157.50										2016	2017	LB Enfield and AECOM	Yes
536868	199265		Innova Park Health			Other public	Yes				157.50										2016	2017	LB Enfield and AECOM	Yes
535796	191919		Meridian Water Spoke Health			Other public	Yes				157.50										2020	2021	LB Enfield and AECOM	Yes
533048	196626		Enfield Town Hub Health			Other public	Yes				630.00										2016	2017	LB Enfield and AECOM	Yes
529140	192145		New Southgate Hub Health			Other public	Yes				630.00										2016	2017	LB Enfield and AECOM	Yes
533048	196626		Enfield Town Community			Local government	Yes				750.00										2014	2019	LB Enfield and AECOM	Yes
535298	195863		Ponders End Community			Local government	Yes				750.00										2014	2019	LB Enfield and AECOM	Yes
529140	192145		New Southgate Community			Local government	Yes				300.00										2012	2014	LB Enfield and AECOM	Yes
535796	191919		Meridian Water community			Local government	Yes				750.00										2014	2019	LB Enfield and AECOM	Yes
533952	192262		Edmonton Green Community			Local government	Yes				300.00										2012	2014	LB Enfield and AECOM	Yes
534207	197419	153	David Lloyd Leisure Ltd	180, Carterhatch Lane, Enfield	EN1 4LF		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
532845	196228	183	Esporta Health Clubs Ltd	5, Essex Road, Enfield	EN2 6TZ		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
537294	198488	338	Island Fitness	57, Island Centre Way, Enfield	EN3 6GS		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
530927	194879	352	Keep Fit with Valerie	23, Church Hill, London	N21 1LS		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
529746	194386	368	La Fitness Ltd	9 Dennis Parade, Winchmore Hill	N14 6AA		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
535536	199708	396	Lea Valley High School and Sports Centre				No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
535464	199768	397	Lea Valley Sports Centre	Bullsmoor Lane, Enfield	EN3 6TW		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
535920	194321	398	Lee Valley Leisure Centre	Picketts Lock Lane, Edmonton	N9 0AS		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
534167	199138	399	Lee Valley Regional Park Authority	Myddelton House, Bulls Cross, Enfield	EN2 9HG		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
529617	194291	435	Meta Leisure	7, Chase Side, London	N14 5BP		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
536024	196350	451	Muscle Base Gym	280, Alma Road, Enfield	EN3 7BB		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
536511	197378	453	Muscle Limit Gym	Lockfield Avenue, Enfield	EN3 7PY		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
526186	198200	474	One to One Fitness UK Ltd	12, Crescent West, Barnet	EN4 0EJ		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
535442	195723	511	Ponders End Recreation Ground	46, South Street, Enfield	EN3 4LB		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
535181	194033	550	Sdk Fitness Programme	2, Marshside Close, London	N9 8LQ		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
528822	196941	570	Southgate Hockey Centre	Trent Park, Cockfosters Road, Enfield	EN4 0PS		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
533699	195362	615	Springs Womens Fitness & Tanning Centre	3a, Queen Annes Place, Enfield	EN1 2PX		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
533977	193730	663	Tower Gym	Charles Lamb Institute 65, Church Lane, Enfield	N9 9PY		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
531061	192706	664	Triangle Fitness	262, Green Lanes, London	N13 5TU		No	Sport & Leisure facilities			0	0	0	0.00	0.00	0.00	0.00	0.00						No
531984	194302	916	HM Revenue & Customs	Capitol House 794 Green Lane, Enfield	N21 2SP	Central government	No	Central government estate			0	0	0	0.00	0.00	0.00	0.00	0.00						No
529721	194035	4027	SOUTHGATE FIRE STATION	96 HIGH STREET	N14 6BN	Other public	No	Fire stations	Assets including CHP	Natural gas	238	28	753	0.00	0.20	0.01	0.02	0.00	1962	2009			Meters	No
533788	193796	4028	EDMONTON FIRE STATION	99 CHURCH ST.	N9 9AA	Other public	No	Fire stations	Individual boilers	Natural gas	411	0	1,725	0.00	0.35	0.00	0.00	0.00	1941	2009			Meters	No
534876	197505	4029	ENFIELD FIRE STATION	93 CARTERHATCH LANE	EN1 4LA	Other public	No	Fire stations	Individual boilers	Natural gas	176	0	899	0.00	0.15	0.00	0.00	0.00	1966	2009			Meters	No
529989	193444	4850	CHERRY TREE HOTEL	THE GREEN, LONDON	N14 6EN	Private	No	Hotels (> 99 units or 4,999 m2)			0	0	0	0.00	0.00	0.00	0.00	0.00						No
530661	198217	4956	ROYAL CHACE HOTEL	THE RIDGEWAY, ENFIELD	EN2 8AR	Private	No	Hotels (> 99 units or 4,999 m2)			0	0	0	0.00	0.00	0.00	0.00	0.00						No
532348	197383	5018	HOLTWHITES HOTEL	CHASE SIDE, ENFIELD	EN2 0QN	Private	No	Hotels (> 99 units or 4,999 m2)			0	0	0	0.00	0.00	0.00	0.00	0.00						No
533732	195392	5040	BUSH HILL PARK HOTEL	ST. MARKS ROAD, ENFIELD	EN1 1BA	Private	No	Hotels (> 99 units or 4,999 m2)			0	0	0	0.00	0.00	0.00	0.00	0.00						No
533004	195198	5041	OAK LODGE HOTEL	VILLAGE ROAD, ENFIELD	EN1 2EU	Private	No	Hotels (> 99 units or 4,999 m2)			0	0	0	0.00	0.00	0.00	0.00	0.00						No
534094	196338	5053	SOUTHBURY HOTEL	SOUTHBURY ROAD, ENFIELD	EN1 1RG	Private	No	Hotels (> 99 units or 4,999 m2)			0	0	0	0.00	0.00	0.00	0.00	0.00						No
529819.4	194204.8	6425		26 GRANGE GARDENS LONDON	N14 6QN	Private	No	Multi-address buildings			0	0	0	85.00	0.00	0.00	0.00	0.00						No
529277.5	192229.9	6454	JACKSON HOUSE	FLAT 1 22 HIGHVIEW GARDENS	N11 1SH	Private	No	Multi-address buildings			0	0	0	51.00	0.00	0.00	0.00	0.00						No
529140.9	195124.9	6594	SHEPCOT HOUSE	FLAT 118 COWPER GARDENS	N14 4NT	Private	No	Multi-address buildings			0	0	0	72.00	0.00	0.00	0.00	0.00						No
529250.5	192183.6	6603	SWINSON HOUSE	FLAT 100 24 HIGHVIEW GARDENS	N11 1SJ	Private	No	Multi-address buildings			0	0	0	51.00	0.00	0.00	0.00	0.00						No
535866.3	196606.7	6618	1 NEWTON HOUSE	EXETER ROAD ENFIELD	EN3 7TT	Private	No	Multi-address buildings			0	0	0	50.00	0.00	0.00	0.00	0.00						No
532174.7	198145.1	6643	PICARDY HOUSE	101 54 CEDAR ROAD ENFIELD	EN2 0PB	Private	No	Multi-address buildings			0	0	0	92.00	0.00	0.00	0.00	0.00						No
532215.6	198103.1	6659	BURGUNDY HOUSE	1 9 BEDALE ROAD ENFIELD	EN2 0NZ	Private	No	Multi-address buildings			0	0	0	92.00	0.00	0.00	0.00	0.00						No
535931.9	199239.9	6661		24 ARCHIBALD CLOSE ENFIELD	EN3 6RL	Private	No	Multi-address buildings			0	0	0	63.00	0.00	0.00	0.00	0.00						No
531809.1	195492	6666		10 HOMEWILLOW CLOSE LONDON	N21 2HJ	Private	No	Multi-address buildings			0	0	0	52.00	0.00	0.00	0.00	0.00						No
534237	195547.1	6673	GAINSBOROUGH HOUSE	FLAT 1 AYLEY CROFT ENFIELD	EN1 1XY	Private	No	Multi-address buildings			0	0	0	88.00	0.00	0.00	0.00	0.00						No
535916.8	195651.2	6679	MERLIN HOUSE	11 2 NAPIER ROAD ENFIELD	EN3 4QJ	Private	No	Multi-address buildings			0	0	0	132.00	0.00	0.00	0.00	0.00						No

535701.9	196625.2	6691	1 TIVERTON HOUSE	EXETER ROAD ENFIELD	EN3 7TW	Private	No	Multi-address buildings			0	0	0	50.00	0.00	0.00	0.00	0.00					No
535857.8	195681	6713	CURLWE HOUSE	101 4 NAPIER ROAD ENFIELD	EN3 4QP	Private	No	Multi-address buildings			0	0	0	131.00	0.00	0.00	0.00	0.00					No
535756.9	198652	6760	KEYS HOUSE	1 3 BEACONSFIELD ROAD EN	EN3 6UY	Private	No	Multi-address buildings			0	0	0	50.00	0.00	0.00	0.00	0.00					No
534496	193533.4	6769	MENDIP HOUSE	FLAT 21 EDMONTON GREEN	N9 0TA	Private	No	Multi-address buildings			0	0	0	187.00	0.00	0.00	0.00	0.00					No
535715.6	198233.6	6783	JERSEY HOUSE	1 2 EASTFIELD ROAD ENFIEL	EN3 5UY	Private	No	Multi-address buildings			0	0	0	50.00	0.00	0.00	0.00	0.00					No
534356.1	193470.1	6788	METHVEN COURT	FLAT 13 1 THE BROADWAY L	N9 0TP	Private	No	Multi-address buildings			0	0	0	85.00	0.00	0.00	0.00	0.00					No
534594.2	193560.7	6817	GRAMPIAN HOUSE	FLAT 21 NORTH MALL LONDA	N9 0EE	Private	No	Multi-address buildings			0	0	0	190.00	0.00	0.00	0.00	0.00					No
532105.8	198107.3	6823	NORMANDY HOUSE	1 52 CEDAR ROAD ENFIELD	EN2 0PE	Private	No	Multi-address buildings			0	0	0	92.00	0.00	0.00	0.00	0.00					No
535752.6	198723.6	6831	WELCH HOUSE	1 1 BEACONSFIELD ROAD EN	EN3 6UX	Private	No	Multi-address buildings			0	0	0	50.00	0.00	0.00	0.00	0.00					No
534907.6	192440.9	6844	SHROPSHIRE HOUSE	FLAT 11 CAVENDISH ROAD L	N18 2HT	Private	No	Multi-address buildings			0	0	0	102.00	0.00	0.00	0.00	0.00					No
535721	198733.6	6849	WOOLPACK HOUSE	1 2 KETTERING ROAD ENFIEL	EN3 6UU	Private	No	Multi-address buildings			0	0	0	50.00	0.00	0.00	0.00	0.00					No
537388.4	198849.7	6854		4 COLT MEWS ENFIELD	EN3 6YH	Private	No	Multi-address buildings			0	0	0	54.00	0.00	0.00	0.00	0.00					No
534522	193410.5	6895	PENNINE HOUSE	FLAT 21 20 SOUTH MALL LON	N9 0TE	Private	No	Multi-address buildings			0	0	0	187.00	0.00	0.00	0.00	0.00					No
532149.1	198075.6	6902	BRITTANY HOUSE	FLAT 1 2 CHANTRY CLOSE EN	EN2 0PG	Private	No	Multi-address buildings			0	0	0	92.00	0.00	0.00	0.00	0.00					No
535576.2	198246.8	6909	SARK HOUSE	1 8 EASTFIELD ROAD ENFIEL	EN3 5XB	Private	No	Multi-address buildings			0	0	0	51.00	0.00	0.00	0.00	0.00					No
534250.6	195702.6	6911	BONNINGTON HOUSE	FLAT 1 AYLEY CROFT ENFIEL	EN1 1XT	Private	No	Multi-address buildings			0	0	0	88.00	0.00	0.00	0.00	0.00					No
533746.9	192375.4	6913	DOVER HOUSE	FLAT 101 BOLTON ROAD LON	N18 1HR	Private	No	Multi-address buildings			0	0	0	50.00	0.00	0.00	0.00	0.00					No
534019.2	192217.5	6920	BRIDPORT HOUSE	FLAT 1 COLLEGE GARDENS L	N18 2XJ	Private	No	Multi-address buildings			0	0	0	81.00	0.00	0.00	0.00	0.00					No
535547	198299	6923	HERM HOUSE	1 10 EASTFIELD ROAD ENFIE	EN3 5XD	Private	No	Multi-address buildings			0	0	0	51.00	0.00	0.00	0.00	0.00					No
534409.1	192312.4	6934	SCOTT HOUSE	FLAT 1 WOOLMER ROAD LON	N18 2JH	Private	No	Multi-address buildings			0	0	0	101.00	0.00	0.00	0.00	0.00					No
535361.5	194006.1	6955	WALBROOK HOUSE	FLAT 100 HUNTINGDON ROA	N9 8LR	Private	No	Multi-address buildings			0	0	0	126.00	0.00	0.00	0.00	0.00					No
535970.6	195619.4	6957	CORMORANT HOUSE	11 2 ALMA ROAD ENFIELD	EN3 4QG	Private	No	Multi-address buildings			0	0	0	131.00	0.00	0.00	0.00	0.00					No
534041.3	198044.2	6967	BLISS HOUSE	11 1 HOLBROOK CLOSE ENFI	EN1 4UL	Private	No	Multi-address buildings			0	0	0	72.00	0.00	0.00	0.00	0.00					No
535825.3	196602.3	6989	1 HONITON HOUSE	EXETER ROAD ENFIELD	EN3 7TS	Private	No	Multi-address buildings			0	0	0	50.00	0.00	0.00	0.00	0.00					No
535726.9	198662.9	7007	DORSET HOUSE	1 4 KETTERING ROAD ENFIEL	EN3 6XA	Private	No	Multi-address buildings			0	0	0	50.00	0.00	0.00	0.00	0.00					No
535681.6	198232.7	7017	GUERNSEY HOUSE	1 4 EASTFIELD ROAD ENFIEL	EN3 5UZ	Private	No	Multi-address buildings			0	0	0	50.00	0.00	0.00	0.00	0.00					No
535743.9	196625	7018	1 ASHCOMBE HOUSE	EXETER ROAD ENFIELD	EN3 7TP	Private	No	Multi-address buildings			0	0	0	50.00	0.00	0.00	0.00	0.00					No
536027.6	195581.6	7033	KESTREL HOUSE	11 1 ALMA ROAD ENFIELD	EN3 4QD	Private	No	Multi-address buildings			0	0	0	131.00	0.00	0.00	0.00	0.00					No
532845.2	196227.7	7034	TOWER POINT	APARTMENT G19 52 SYDNEY	EN2 6SZ	Private	No	Multi-address buildings			0	0	0	142.00	0.00	0.00	0.00	0.00					No
535075.1	197452.1	7039	HASTINGS HOUSE	11 2 SHERBORNE AVENUE EN	EN3 5BS	Private	No	Multi-address buildings			0	0	0	51.00	0.00	0.00	0.00	0.00					No
530848.2	195666	7073	BLAKE COURT	FLAT 1 1 NEWSHOLME DRIVE	N21 1SQ	Private	No	Multi-address buildings			0	0	0	73.00	0.00	0.00	0.00	0.00					No
534840.6	192508	7076	CHESHIRE HOUSE	FLAT 11 CAMERON CLOSE L	N18 2HR	Private	No	Multi-address buildings			0	0	0	102.00	0.00	0.00	0.00	0.00					No
534471.4	193573.4	7089	GEARY COURT	FLAT 11 24 THE CONCOURSE	N9 0TQ	Private	No	Multi-address buildings			0	0	0	51.00	0.00	0.00	0.00	0.00					No
534243.3	195764	7096	POSTFIX HOUSE	FLAT 7 145 GREAT CAMBRIDG	EN1 1SG	Private	No	Multi-address buildings			0	0	0	90.00	0.00	0.00	0.00	0.00					No
537251	198527	8092	A1 Riverisland Art Studio	12 Island Centre Way, Enfield	EN3 6GS	Private	No	Museums & Art Galleries			0	0	0	0.00	0.00	0.00	0.00	0.00					No
535484	193837	8108	Art Start	12 South Way Claverings Indu	N9 0AB	Private	No	Museums & Art Galleries			0	0	0	0.00	0.00	0.00	0.00	0.00					No
534590	193528	8114	Artzone	54-56 The Market Square, Lon	N9 0TZ	Private	No	Museums & Art Galleries			0	0	0	0.00	0.00	0.00	0.00	0.00					No
534052	192125	8201	Gallery Fore	105-107 Fore Street, London	N18 2XF	Private	No	Museums & Art Galleries			0	0	0	0.00	0.00	0.00	0.00	0.00					No
528244	195570	8391	The Museum Of Domestic Design And Architecture (Visit Britain Assessed)		EN4 8HT	Private	No	Museums & Art Galleries			0	0	0	0.00	0.00	0.00	0.00	0.00					No
531800	199825	8400	The Whitewebbs Museum of Transport & Industry		EN2 9HW	Private	No	Museums & Art Galleries			0	0	0	0.00	0.00	0.00	0.00	0.00					No
530365	194274	8550	PRIORY HOSPITAL	THE BOURNE, LONDON	N14 6RA	Other public	No	NHS			0	0	0	0.00	0.00	0.00	0.00	0.00					No
531304	197266	8556	NORTH LONDON NUFFIELD HOSPITAL	CAVELL DRIVE, ENFIELD	EN2 7PR	Other public	No	NHS			0	0	0	0.00	0.00	0.00	0.00	0.00					No
532637	197642	8568	ST. MICHAELS HOSPITAL SITE	GATER DRIVE, ENFIELD	EN2 0JB	Other public	No	NHS			0	0	0	0.00	0.00	0.00	0.00	0.00					No
529562	194316	8711	SOUTHGATE POLICE STATION, METROPOLITAN POLICE	CHASE SIDE, LONDON	N14 5BW	Other public	No	Police stations			0	0	0	0.00	0.00	0.00	0.00	0.00					No
531788	194082	8722	WINCHMORE HILL POLICE STATION, METROPOLITAN POLICE	GREEN LANES, LONDON	N21 3RS	Other public	No	Police stations			0	0	0	0.00	0.00	0.00	0.00	0.00					No
534321	193272	8739	EDMONTON POLICE STATION, METROPOLITAN POLICE	FORE STREET, LONDON	N9 0PW	Other public	No	Police stations			0	0	0	0.00	0.00	0.00	0.00	0.00					No
535669	193663	8798	Thames Water Utilities Ltd	Generation & Sludge Heating	N90BA	Private	No	Large commercial (> 9,999 m2)	Oil		15,494	0	0	0.00	4.61	0.00	0.00	3314.00	-	2008		Boiler Sites	No
TOTAL											244,866	28	3,377	3,789	5	0	0	3,314	-	-	-	-	-

	Manual input (wording)
	Select from drop-down list
	Mandatory input
	Desirable input

Major Heat Supply plants

OXS	OYS	Object ID	Name	Address	Postcode	Ownership	New development	Typology	Fuel source	Fuel consumption from all assets including CHP (MWh/year)	Heat generation from all assets including CHP (MWh/year)	Installed thermal capacity from all assets including CHP (MWth)	Installed power from all assets including CHP (MWe)	CO2 emissions (tCO2/year)	Date of Construction	Year of data collection	Start date	Completion date	Data source	Confidentiality of data
536891	197865		Enfield Energy Centre			Private	No	Power plants	Natural Gas				400.00			2011				No
535147	192784		Kedco Biomass Gasification Plan			Private	Yes	CHP sites	Other				12.00		2012	2011				No
535741	192629		Edmonton EcoPark		N18 3AG	Other public	Yes	Energy from waste plants	Other							2011				No
536580	197169		Johnson Mathey		EN3 7PW	Private	No	CHP sites	Natural Gas				3.00			2011				No
535792	193656		Deephams Sewage Works			Other public	No	CHP sites	Other				3.00			2011				No
535574	198384		Albany Leisure Centre			Private	No	CHP sites	Natural Gas				0.08			2010				No
534155	196618		Southbury Leisure Centre			Private	No	CHP sites	Natural Gas				0.08			2010				No
534366	193514		Edmonton Leisure Centre			Private	No	CHP sites	Natural Gas				0.07			2010				No
529890	194524		Southgate Leisure Centre			Private	No	CHP sites	Natural Gas				0.08			2010				No
536532	196953		National Freight Company	-		Private	No	CHP sites		0	0	0.17	0.28	0						No
534145	193659		North London Clinic	-		Private	No	CHP sites		0	0	0.30	0.44	0						No
534207	197419		David Lloyd Club Enfield	-		Private	No	CHP sites		0	0	0.11	0.19	0						No
TOTAL										0	0.00	0.58	419.22	0	-	-	-	-	-	-

	Manual input (wording)
	Select from drop-down list
	Mandatory input
	Desirable input

DH Networks

OXS	OYS	Object ID	Name	Area Covered	Energy Centre Address	Energy Centre Postcode	Ownership	Energy Centre Typology	Fuel source	Length of trench (km)	Fuel consumption from all assets including CHP	Heat generation from all assets including CHP (MWh/year)	Installed thermal capacity from all assets	Installed power from all assets including CHP (MWe)	CO2 emissions (tCO2/year)	Date of Construction	Year of data collection	Start date	Completion date	Data source	Confidentiality of data
535946	195610		Alma Road	Buildings Only			Other public	Boilers	Natural Gas		5,945						2009-2010			Enfield Homes & LB Enfield	No
535132	197073		Dean House	Building Only			Other public	Boilers	Natural Gas		541						2009-2010			Enfield Homes & LB Enfield	No
535965	196982		Durants Lodge	Building Only			Other public	Boilers	Natural Gas		579						2009-2010			Enfield Homes & LB Enfield	No
534688	197279		Ringlewell Close	Building Only			Other public	Boilers	Natural Gas		76						2009-2010			Enfield Homes & LB Enfield	No
			Cornerways	Building Only			Other public	Boilers	Natural Gas		268						2009-2010			Enfield Homes & LB Enfield	No
533900	193714		John Adams Court	Building Only			Other public	Boilers	Natural Gas		740						2009-2010			Enfield Homes & LB Enfield	No
534691	193587		Len Warren House	Building Only			Other public	Boilers	Natural Gas		489						2009-2010			Enfield Homes & LB Enfield	No
533894	193379		Newstead House	Building Only			Other public	Boilers	Natural Gas		393						2009-2010			Enfield Homes & LB Enfield	No
534656	192719		Rushleigh House	Building Only			Other public	Boilers	Natural Gas		341						2009-2010			Enfield Homes & LB Enfield	No
534041	198044		Bliss House (& Purcell House)	Building Only			Other public	Boilers	Natural Gas		1,384						2009-2010			Enfield Homes & LB Enfield	No
532728	198622		Bramley House	Building Only			Other public	Boilers	Natural Gas		593						2009-2010			Enfield Homes & LB Enfield	No
529025	195695		Buckfast House	Building Only			Other public	Boilers	Natural Gas		444						2009-2010			Enfield Homes & LB Enfield	No
528154	196112		Chaddlewood	Building Only			Other public	Boilers	Natural Gas		1,570						2009-2010			Enfield Homes & LB Enfield	No
			Edith Simpson House	Building Only			Other public	Boilers	Natural Gas		174						2009-2010			Enfield Homes & LB Enfield	No
530626	192896		Fairweather Court	Building Only			Other public	Boilers	Natural Gas		484						2009-2010			Enfield Homes & LB Enfield	No
531531	191860		William House	Building Only			Other public	Boilers	Natural Gas		654						2009-2010			Enfield Homes & LB Enfield	No
TOTAL										0	14,675	0	0	0	0	-	-	-	-	-	-

	Manual input (wording)
	Select from drop-down list
	Mandatory input
	Desirable input