

D5.4 – Final term evaluation report

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Executive summary

This report represents Deliverable 5.4 – Final term monitoring and evaluation report, developed as part of Work Package 5 – Monitoring and evaluation of the EnerGAware project. It presents the results of the assessment of the impact indicators defined in Deliverable 5.1 (Monitoring and evaluation methodology) at the end of the final term period of the pilot implementation.

The dependent (energy consumption, energy consumption behaviours and awareness, peak demand and IT literacy) and independent (socio-economic status and health, perceived physical comfort, usability and usefulness) variables are described for both the experimental and control groups during the final-term period. These variables are also compared between the baseline and final-term evaluation for both the experimental and control groups.

The implementation of the EnergyCat serious game in the social housing pilot has provided a reduction of 5.34% of the energy consumption in the reporting period in relation the baseline period. Electricity savings of social tenants in the experimental group were found to amount to 3.46% whereas gas savings were found to be of 7.48% at the long-term horizon. The mid-term analysis showed higher energy savings a result of the interaction with the serious game, highlighting the need to motivate users to play into the longer term in order to consolidate the achieved level of savings. However, no significant changes were found in the average home electricity peak demand and the average power demand at the network peak period of the houses partaking the experimental pilot. Future energy saving interventions should explicitly address ways of reducing the energy consumption during a certain period of time, when demand from all domestic houses peaks, from a pedagogical perspective.

In terms of reported energy behaviour and perceptions, responses were found to be similar across the experimental and control conditions at the final term stage. Responses were also found to be similar when comparing the effects over time (baseline versus final term surveys) for both the experimental and control conditions. However, there was found to be some improvement in engagement in certain specific energy saving behaviours. For instance, subjects in the experimental (vs. control) condition were more likely to state they had set their bedroom radiator to a lower temperature than normal at the final term versus baseline stage. We also found evidence that subjects were more likely to report reduced affordability concerns at the final term versus baseline stages, which may have implications for improving subjects' health and well-being in the longer term (although see Section 9 for a discussion of this point).

Overall, the intervention was found to have a significant impact upon engagement in the energy saving behaviours when comparing the results of the baseline and *mid*term surveys. Responses to the final term survey highlight the perceived disparity between game play and associated energy savings in real-life as a potential explanation for why these effects did not

persist to the final term stage. In addition, responses to the focus group and interview sessions highlighted several issues with the game in terms of both usability and support, which if addressed, may help to increase motivation to play into the longer term. Overall, we found evidence that subjects from the social housing sector were highly engaged in the topic of energy saving, and reported generally high levels of motivation to learn about ways in which they could reduce their own consumption levels. In terms of potential barriers to behaviour change in this context, the results of the final term survey highlight how subjects commonly reported health issues, and not wanting to feel cold or uncomfortable at home as key reasons why they could not use less energy. As such, this feedback provides another useful point to incorporate into the development of future serious game interventions. Specifically, if the educational functionality of future versions of the game is improved in order to emphasise how users can achieve savings whilst maintaining thermal comfort levels at home, then this may prove a key turning point in achieving long-term energy reductions in this sector.

Responses to the interviews and final term survey also highlighted that there may have been reduced interest in playing digital games in some instances. This may go some way to explaining the high attrition rates for those who reported playing the EnergyCat game in the experimental group at the final term stage. Feedback also highlighted how a simple 'how-to' guide to energy savings may be enough to motivate behaviour change in this sector. Indeed, many subjects in the control group reported having used the surveys as a guide to energy savings – and reported increased engagement with several of the listed behaviours simply as a result of completing the surveys.

As such, overall the EnerGAware pilot programme provides many useful insights which can be incorporated into future energy saving interventions within the social housing sector. There was generally high interest in energy saving amongst social housing tenants, and the programme provides keen insight as to areas of the game which may be improved in order to increase engagement, as well as identifying other potential strategies and communication methods which may be more suitable for this population. The current pilot trial was also effective in increasing engagement in some specific energy saving behaviours over time. As such, the programme provides a useful starting point for assessing behaviour change potential within the social housing sector, and provides useful insight as to how future interventions may be structured in order to maximise effectiveness, with a view to reducing fuel poverty and increasing health and well-being in the longer term.

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Glossary and abbreviations

A'level	General Certificate of Education Advanced Level
CMD	Cold, Mould and Damp
DECC	Department of Energy and Climate Change
DST	Daylight Saving Time
ESI	Energy Saving Intervention
European ICT PSP	Methodology for calculating energy savings in buildings
GCSE	General Certificate of Secondary Education
GP	General Practice
HDD	Heating Degree Days
HRP	Household Representative Person
IPMVP	International Performance Measurement and Verification Protocol
NVQ	National Vocational Qualification
O'level	Ordinary Level
UK	United Kingdom
ut.	unit
UTC	Coordinated Universal Time

1. Introduction

WP5 explores the potential for the serious game EnergyCat to incite behaviour change in energy consumption practices within the social housing sector. Within the Plymouth social housing pilot, the behaviour and the actual energy consumption of an experimental group, who played the game for the duration of the project is compared with that of a control group, who did not play the game. A pre-post comparison approach is used to determine the effect of the EnergyCat serious game over time.

Deliverable 5.1 – Monitoring and evaluation methodology defined the experimental design planned to be used to assess the effects of the intervention. This report also defined the dependent and independent variables planned to be used to assess the impact of the game in the social housing pilot. Dependent variables are described as those variables that are the target of an intervention and therefore shall be affected by the intervention, including energy consumption, energy consumption behaviours and awareness, peak demand, social media activity, energy knowledge sharing and IT literacy. Independent variables are factors that can also have an impact on the dependent variables. Independent variables are not part of the intervention and can have confounding effects that are unwanted if the effect resulting solely from the intervention shall be identified with the evaluation. Independent variables included in the developed methodology are (socio-economic status and health, energy price, perceived physical comfort, usability and usefulness and game interaction).

In order to determine the impact of the serious game intervention on both actual consumption levels and self-reported energy behaviours and understanding, the results of the baseline period (Deliverable 5.2) are compared with that of the midterm period (Deliverable 5.3) and the final term period (Deliverable 5.4).

Therefore, Deliverable 5.4 presents the results at the end of the serious game intervention trial period. This report outlines the effects on each of the dependent variables described in Deliverable 5.1, and provides the information needed to determine the impact of the serious game intervention on participants' energy behaviours. We present the results of the analysis in terms of any differences between the experimental and control conditions at the final term stage, in order to determine whether the intervention was effective in producing positive behaviour change, increased engagement in energy behaviours and a reduction in energy consumption and peak demand.

2. Definition of the experimental and control groups

During the pilot implementation tasks, the energy metering system was deployed in 88 social houses in Plymouth (UK). These houses were assigned to either the experimental or control

group using a pairing approach, in which two identical/near-identical houses were identified and one randomly assigned to each group.

For the energy analysis, those houses in the experimental group with in-game records were first analysed ($N = 9$)¹. However, results gathered in the mid-term survey revealed that other tenants played with the EnergyCat game offline. Therefore and in order to increase the initial sample, another analysis considered those houses in the experimental group stating in the midterm survey (April 2017) they played with the game and those houses having in game data records ($N = 18$). The first group of houses is thus a subset of people in the second group.

For the social analysis, those houses in the experimental group that they stated in the final term survey they played with the game were considered. Of the 88 houses, 60 households returned the final term survey in December 2017 – January 2018. In order to explore changes in behaviour over time we contrast the results of the baseline (January 2017) and (where possible) midterm surveys (April 2017) for these 60 households, with the responses ascertained at the end of the intervention period. Of these 60 households who completed both the baseline and final term surveys $N = 29$ were in the experimental condition (13 male, 14 female, 2 missing, mean age 56, $SD = 15.20$), and $N = 31$ were in the control condition (12 male, 16 female, 3 missing, mean age 57, $SD = 16.64$).

3. Data collection procedures

Data needed for the social evaluation of the EnerGAware intervention (Sections 4.2, 4.4 and 5) was collected through the baseline, mid-term and final-term Social Housing Surveys. The final term Social Housing survey (Appendices A and B), designed based on the baseline and mid-term Social Housing surveys, was administered to the 88 social houses partaking in the pilot at the beginning of December 2017. One version of the survey was sent to the tenants of the experimental group, which included a section about the EnergyCat serious game experience and feedback on the tablet provided (Appendix A). The survey sent to the tenants of the control group only included the section about the experience with the tablet, as they did not have the game installed on it (Appendix B). Residents were sent a letter, a copy of the survey and a prepaid return envelope to send it to DCH by post. In the event that the final-term survey was not received at DCH offices, a reminder letter was sent to the resident saying we had not received his/her survey, accompanied by another copy of the final-term survey and prepaid return envelope. The final-term survey included a section where tenants were asked to provide their own energy meter readings. If tenants had any

¹ Deliverable 4.4 (Pilot implementation evaluation) identified 10 players with in-game data records. However and for the purpose of Deliverable 5.4, the player that joined the game but achieved zero missions and zero score is not considered in this analysis

difficulties reading their meters, they could contact DCH team by phoning the number in the letter.

Finally, in order to follow up on the findings of the final-term survey, and to gain comprehensive feedback from subjects on their perceptions of the EnerGAware project and EnergyCat game, a series of 20 one-on-one interviews, and one focus group session, were conducted in January – February 2018. The interview sessions were conducted in January 2018 with 13 subjects from the experimental condition, and 7 from the control condition. These subjects were randomly selected from the pool of 88 households taking part in the programme, and the interviews were conducted in subjects own homes whilst DCH were conducting the deinstallation of monitoring equipment.

Following on from the interview sessions, the remaining 30 subjects from the experimental condition who had not taken part in an interview were sent a letter inviting them to take part in a focus group session in February 2018. This session was conducted at the DCH offices in Kerr Street, Plymouth. Subjects were offered payment of £20 Love2Shop vouchers as an incentive for taking part. Two subjects from the experimental condition signed up to take part in the session. The main aim of both the interviews and focus group sessions was gain an insight into any changes in energy understanding or awareness, or engagement in energy behaviours as a result of taking part in the EnerGAware project. We also asked subjects from the experimental condition to discuss their views on the EnergyCat game, in order to ascertain which aspects of the game worked well, and identify any potential areas for future improvement. The results from both the interviews and focus group are provided in Section 8.

Data needed for the evaluation of the dependent variables related to energy consumption (Section 4.1) and peak demand (Section 4.3) was mainly collected through the real-time energy monitoring system deployed in the homes of the social tenants included in both the experimental and control groups within the framework of Task 4.2. The energy consumption (electricity and gas) was automatically monitored with a 15 minutes period, by reading the actual electricity and gas meters of the pilot homes. Values acquired in electricity meter sensors are absolute and they are expressed in kWh. Values acquired in gas meter sensors are also absolute (as they are in the meter display reading) and they are expressed in m³ or ft³ and then converted. Energy data is retrieved from the EnerGAware middleware platform (see Deliverable 3.4 for more information). These energy related data (electricity and gas) were complemented by manual meter readings taken by DCH and UOP at the beginning and at the end of the baseline, midterm and final periods and also by readings provided by the tenants during the midterm and the final surveys. These meter readings also help to verify the energy data recorded. In order to analyse the weather impact on the energy consumption profile, the EnerGAware middleware registers daily weather statistics of Plymouth, the city where the pilot dwellings are located. Weather data is sourced from Weather Underground, an automatic web weather service (Deliverable 3.4).

At the end of the project and in general, data to build the final-term analysis was successfully gathered by the real-time energy monitoring system installed in the pilot homes, especially for electricity. 39 houses included self-reported meter readings with their returned surveys. This data was checked for reliability and consistency with previous readings by UPC. These self-reported readings provide a useful source of data to complement any missing consumption data collected by the energy monitoring system installed in the homes. In addition, in order to have more accurate and reliable consumption data, manual electricity and gas meter readings of 80 pilot homes were taken by the DCH maintenance team at the end of January 2018 when uninstalling and removing the electricity and gas monitoring equipment from the pilot homes. These additional readings helped assessing in a more reliable way the impact of the experimentation during the heating season.

4. Dependent variables

The following dependent variables are evaluated during the final period: energy consumption, energy consumption behaviours and awareness, peak demand and IT literacy. These variables are the target of the intervention (the EnergyCat serious game) and are therefore expected to be affected by the intervention.

4.1 Energy consumption

The energy consumption during the baseline period was analysed for all the houses in the pilot, both in the experimental group and in the control group, and reported in Deliverable 5.2. A statistical analysis included in Deliverable 5.2 showed no significant differences between the experimental and the control groups at the baseline stage, establishing a valid baseline starting point for later comparisons between groups. Deliverable 5.3 reported the energy consumption during the midterm reporting period compared to that of the baseline period. Deliverable 5.4, and this section in particular reports the energy consumption during the whole reporting period, and compares it to that in the baseline period and that in the mid-term period for all the houses in the pilot in both the experimental and control groups.

The baseline period started when the deployment of the energy monitoring kit was finished, and therefore, energy consumption data was available for the first time. Within houses in the experimental group, the baseline period finished when users start playing with the game. This was considered to be just after delivering the tablet to the tenants in the house. Within houses in the control group, the baseline period also finished when users received the tablet, although they were not going to play, because this coincided with a manual meter reading.

For the purpose of this deliverable, both the mid-term and the reporting periods started just after the end of the baseline period. The midterm reporting period finishes when tenants answer the mid-term survey and report corresponding manual meter readings. In both the experimental and the control groups, the final reporting period finishes when energy

monitoring kits are uninstalled or tenants answer the final survey including corresponding manual meter readings. Therefore, houses have different final reporting periods.

In order to have a deep understanding of the energy consumption profile of all the houses in the pilot, a dedicated 4 page report is provided for each of the houses taking part in the EnerGAware experimentation (Appendix C), extending the ones attached in Deliverable 5.2 for the baseline period and Deliverable 5.3 for the midterm period to cover the whole final reporting period (Figure 1). Those houses that left the experimentation phase before the end of the final reporting period are not analysed nor reported.

The first page of these individual reports (see example in Figure 2) summarises all the information of the house, including building and energy characteristics, electricity and gas infrastructure characteristics and data about the energy performance of the house during the baseline period.

The second page of these individual reports (see example in Figure 3), includes data about energy performance of the house during the midterm reporting period and the final reporting period.

The baseline, mid-term and final reporting sections include starting and final dates of the period and corresponding Heating Degree Days based at 15.5°C, expressed in °C. Inside this sections, details about electricity and gas consumption are provided, including initial and the final manual meter readings. Electricity meter readings are expressed in kWh whereas gas meter readings are expressed in m³. Information related to the maximum electricity home peak demand is then reported in the baseline, mid-term and final reporting sections, in terms of power (kW) and time, according to the 10 day baseline method and the 3 top 10 day baseline method (see Deliverable 5.1 for more information). The average maximum demand at the network peak period (considered to be from 17:00 to 19:00 according to the UK energy supplier) is also stated.

Sections end with a summary of the amount of electricity and gas consumed by the house during the midterm/final reporting period (expressed in kWh in both cases). The conversion factor used to transform m³ or ft³ of gas to kWh is 11.164 kWh/m³ or 0.316 kWh/ft³ for the UK context. Houses with no gas have a hyphen in the gas consumption column. The total energy consumption (kWh) is also stated. The EnerGAware middleware platform stores the energy data every 15 minutes using the Coordinated Universal Time (UTC). Therefore, data is corrected so as to adhere to the Daylight Saving Time (DST).

The third page of the individual reports (see example in Figure 4) includes a graph plotting the cumulative electricity consumption (kWh) during the baseline and the final reporting periods. A grey vertical line indicates when the baseline reporting period finishes and the final reporting period starts (Figure 5). A small cross represents the manual meter reading (kWh) collected at the beginning and at the end of the baseline period. The small dot

represents the manual meter reading (kWh) at the end of the midterm period, gathered from the midterm surveys. The small square represents the manual meter reading (kWh) at the end of the final reporting period, gathered from the final surveys or during the uninstalling process. A solid line represents the monitored electricity consumption directly retrieved from the EnerGAware middleware platform whereas a dotted line represents the estimated electricity consumption when monitored data were not available.

The second graph on the third page of the individual reports (see Figure 4) plots the daily electricity consumption (kWh) during the baseline and the final reporting period. Again, a grey vertical line clearly indicates when the baseline reporting period finishes and when the reporting period started (Figure 5). Daily electricity consumption represents the first derivative of the cumulative electricity consumption. Daily electricity consumption is calculated by subtracting the meter reading at instant $t+1$ to the meter reading at instant t . Although filtered data is retrieved from the EnerGAware middleware platform, some corrections had to be made. For example, when the first derivative for one day was 0 and the value for the next day was very high, the mean was calculated.

The last page of the individual reports (Figure 5) shows the analysis of the home peak demand and the power demand at the network peak period of the house (see Section 4.3 of this deliverable for detailed information) for the baseline, the midterm and final-term reporting periods.

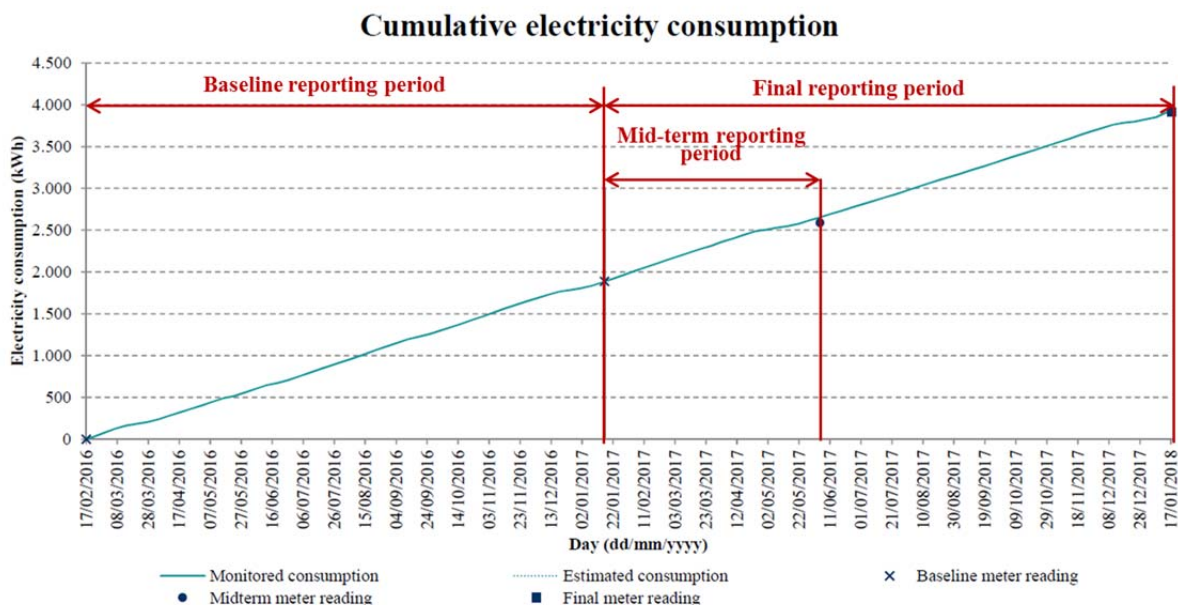


Figure 1. Baseline, mid-term and final reporting periods.



Building characteristics			
Id dwelling:	EA #058	Dwelling type:	Flat
Construction period:	1976-1982	Floor area (m ²):	50
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	Yes
Energy characteristics			
SAP:	75 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No
Electricity infrastructure characteristics			
Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Outdoor	Distance aggregator-meter (m):	4
Gas infrastructure characteristics			
Manufacturer:	Actaris	Type:	Analogue
Model:	G4		
Location:	Outdoor	Distance aggregator-meter (m):	6
Baseline period			
Starting date (dd/mm/yyyy):	17/02/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C):	1.572,0		
Electricity			
Initial meter reading (kWh):	9.557	Final meter reading (kWh):	11.444
10 day baseline peak demand	Power (kW): 2,08	Time (hh:mm):	14 h 47 min
3 day baseline peak demand	Power (kW): 3,40	Time (hh:mm):	15 h 50 min
Demand at the network peak	Power (kW): 0,77	Time (hh:mm):	17 h 0 min to 19h 0 min
Gas			
Initial meter reading (m ³):	1.019	Final meter reading (m ³):	1.217

Electricity consumption (kWh):	1.887,0
Gas consumption (kWh):	2.210,4
Total energy consumption (kWh):	4.097,4

Figure 2. First page of the energy reports.



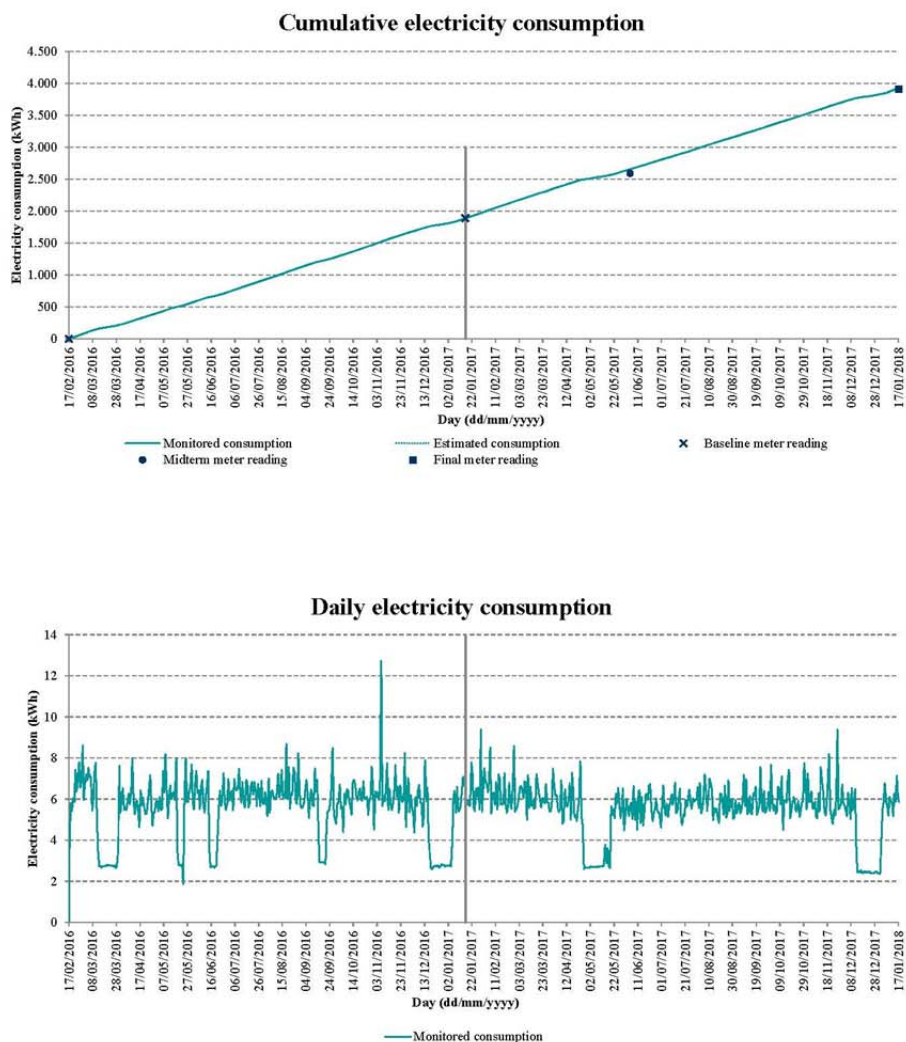
Midterm reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	05/06/2017
Heating Degree Days (°C) :	863,0		
Electricity			
Initial meter reading (kWh):	11.444	Final meter reading (kWh):	12.145
10 day baseline peak demand	Power (kW): 1.64	Time (hh:mm):	15 h 10 min
3 day baseline peak demand	Power (kW): 2.63	Time (hh:mm):	16 h 56 min
Demand at the network peak	Power (kW): 0.82	Time (hh:mm):	17 h 0 min to 19h 0 min
Gas			
Initial meter reading (m³):	1.217	Final meter reading (m³):	1.296
<div>Electricity consumption (kWh): 701,0 Gas consumption (kWh): 881,9 Total energy consumption (kWh): 1.582,9</div>			
Final reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	18/01/2018
Heating Degree Days (°C) :	1.686,5		
Electricity			
Initial meter reading (kWh):	11.444	Final meter reading (kWh):	13.470
10 day baseline peak demand	Power (kW): 1.94	Time (hh:mm):	14 h 54 min
3 day baseline peak demand	Power (kW): 3.10	Time (hh:mm):	15 h 10 min
Demand at the network peak	Power (kW): 0.76	Time (hh:mm):	17 h 0 min to 19h 0 min
Gas			
Initial meter reading (m³):	1.217	Final meter reading (m³):	1.402
<div>Electricity consumption (kWh): 2.026,0 Gas consumption (kWh): 2.068,4 Total energy consumption (kWh): 4.094,4</div>			

ID Dwelling EA #058

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Figure 3. Second page of the energy reports.

Baseline, midterm and final reporting period



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Figure 4. Third page of the energy reports.

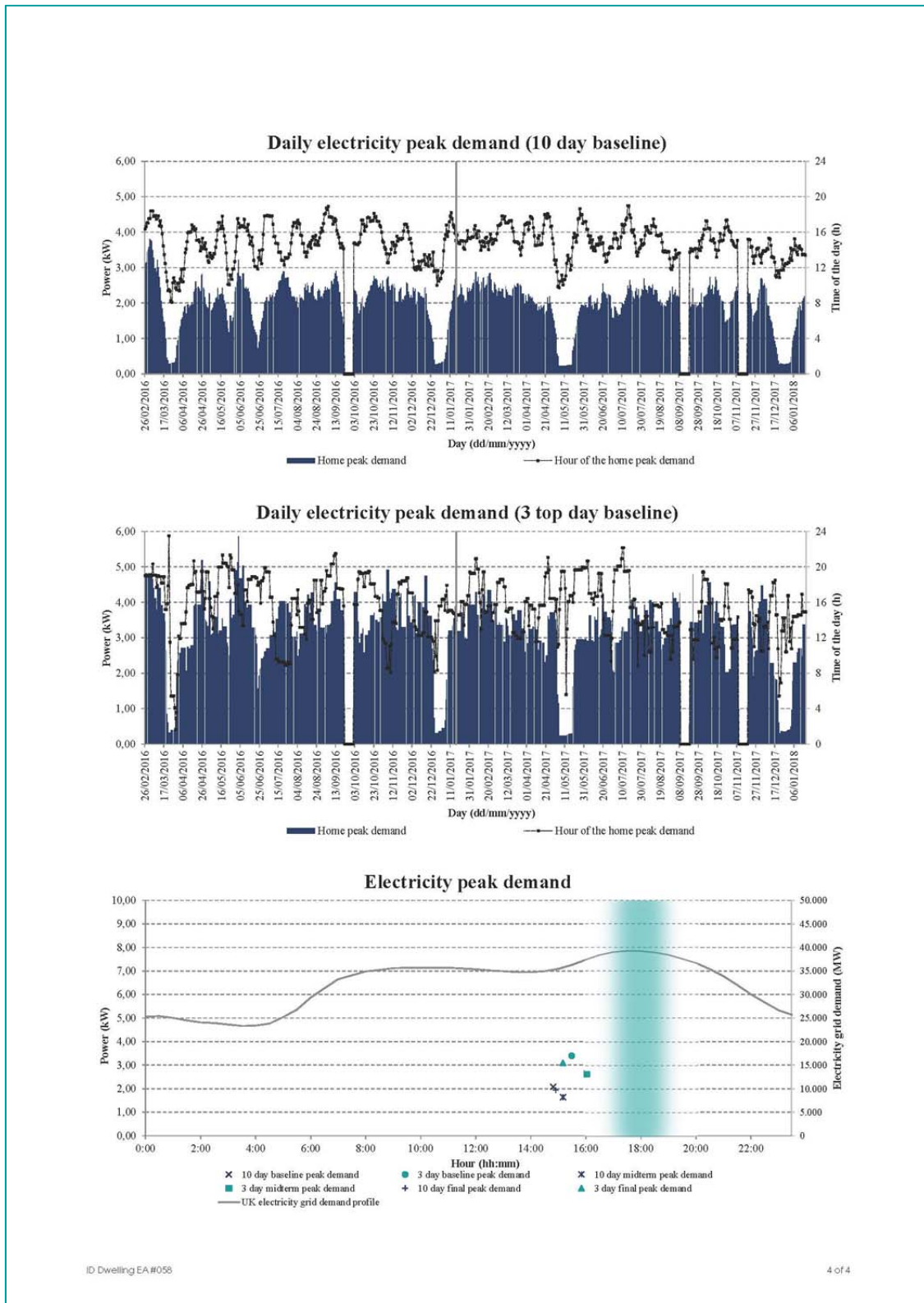


Figure 5. Fourth page of the energy reports.

The average electricity saving during the whole reporting period in relation to its performance during the baseline reporting period in houses of the experimental group was found to amount to 0.51% (Table 1). Within this group, 18 houses were found to save electricity, whereas 21 were found to spend more electricity and 4 had no available data for the calculation.

As shown in Table 1 and in general, houses in the control group were found to spend more electricity in the reporting period in relation to their performance during the baseline reporting period (0.85%). In this case, 18 houses were found to have electricity savings, 17 were found to have no electricity savings and 9 had no valid data.

Along the lines of Deliverable 5.3, two additional groups are analysed within the experimental group. Houses in the experimental group with in-game records are analysed under Subgroup 2 (N = 9). Subgroup 1 includes those houses in the experimental group stating in the midterm survey (April 2017) that they had played the game and houses having in-game data records (N = 18).

Energy savings in houses of Subgroup 2 (only those with in-game data) were found to be of 4.22% (Table 1). In the larger subgroup (Subgroup 1), made up of those houses that either stated they had played the game *or* houses which had in-game data records, 7 houses were found to save electricity, 9 were found to spend more electricity and 2 had no available data for the calculation. The average electricity saving in all these houses was found to amount to 1.18% (Table 1).

	Experimental group (N=44)	Experimental group Subgroup 1 (N=18)	Experimental group Subgroup 2 (N=9)	Control group (N=44)
Houses with electricity savings [ut.]	18	7	4	18
Houses with no electricity savings [ut.]	21	9	5	17
Houses with no data [ut.]	5	2	0	9
Average electricity saving [%] ¹	0.51%	1.18%	4.22%	-0.85%

¹ Negative number indicates increase in energy use.

Table 1. Electricity performance of the social housing pilot.

When comparing the final reporting results with those obtained in the mid-term reporting period (see Table 2 and Deliverable 5.3 for more information), electricity savings are found to decrease in all the analysed groups, evidencing a greater short-term impact of the EnerGAware intervention.

Average electricity saving [%] ¹	Experimental group (N=44)	Experimental group Subgroup 1 (N=18)	Experimental group Subgroup 2 (N=9)	Control group (N=44)
Mid-term reporting period	1.39%	1.99%	8.66%	-2.50%
Final reporting period	0.51%	1.18%	4.22%	-0.85%

¹ Negative number indicates increase in energy use.

Table 2. Electricity performance of the houses in the mid-term and the final reporting periods.

As shown in the energy reports (see Appendix C), most of the houses in the pilot were gas heated but some of them were heated with electricity. In these cases, electricity consumption is highly related to the heating needs and therefore to the winter climate severity. As anticipated in Deliverable 5.1, a way of isolating the weather influence when comparing different periods of time (i.e. the baseline and the reporting periods) is dividing electricity consumption figures devoted to satisfy heating needs by corresponding Heating Degree Days (HDD). HDD is a measure of the amount of time when the outside temperature falls below the base temperature (when the building needs heating). However, it must be taken into account that adopting such approach may lead to some inaccuracies because disaggregated energy consumption data is not available within the EnerGAware social pilot and all the electricity (not only the one devoted to heating) is divided by HDD. Table 3 shows the weather corrected electricity consumption figures for the experimental and control groups during the reporting period in relation to the baseline period.

	Experimental group (N=44)	Experimental group Subgroup 1 (N=18)	Experimental group Subgroup 2 (N=9)	Control group (N=44)
Houses with electricity savings [ut.]	18	7	4	19
Houses with no electricity savings [ut.]	21	9	5	16
Houses with no data [ut.]	4	2	0	9
Average electricity saving [%] ¹	1.46%	3.46%	3.53%	-1.68%

¹ Negative number indicates increase in energy use.

Table 3. Weather corrected electricity consumption figures.

Therefore and according to the results obtained in the pilot after the re-categorisation and the weather normalization, it can be concluded that playing the EnergyCat game was associated with electricity savings (Table 3). Within the pre-post comparison approach and isolating the weather effects, average electricity savings were found to range between 3.46% – 3.53%. These results are especially relevant when comparing to that of the control group, who were found to increase their electricity consumption by an average of 1.68%.

Analysed data revealed that all the houses of the experimental group spent more gas during the reporting period in relation to the baseline period because the reporting period was colder than the baseline period and the gas consumption is highly related to heating needs. In order to adjust gas consumption figures to the different weather conditions of the baseline and the reporting periods, HDD are used in Table 4. When taking into account weather changes, houses in the experimental group were found to have saved gas during the reporting period in relation to the baseline period (2.73%). This saving was greater in the experimental subgroup 1 (7.48%) but the maximum saving was seen in experimental subgroup 2 (10.71%). On the contrary and despite the weather correction, houses in the control group were found to slightly spend more gas during the reporting period than in the baseline period (+1.15%).

	Experimental group (N=44)	Experimental group Subgroup 1 (N=18)	Experimental group Subgroup 2 (N=9)	Control group (N=44)
Houses with gas savings [ut.]	11	5	4	16
Houses with no gas savings [ut.]	12	3	1	11
Houses with no data [ut.]	21	10	4	17
Average gas saving [%] ¹	2.73%	7.48%	10.71%	-1.15%

¹ Negative number indicates increase in energy use.

Table 4. Weather corrected gas consumption figures.

The average energy consumption, including both electricity and gas, for the whole reporting period is shown in the following table for the experimental and control groups. In general, the pilot data show that there was a significant decrease of the energy consumption during the reporting period in relation to the baseline period after the EnerGAware intervention. The average energy consumption reduction in the experimental group in relation to the baseline was found to range between 5.34% – 5.70% (Table 5).

	Experimental group (N=44)	Experimental group Subgroup 1 (N=18)	Experimental group Subgroup 2 (N=9)	Control group (N=44)
Houses with energy savings [ut.]	13	5	4	14
Houses with no energy savings [ut.]	13	5	3	17
Houses with no data [ut.]	18	8	2	13
Average energy saving [%] ¹	2.25%	5.34%	5.70%	-1.04%

¹ Negative number indicates increase in energy use.

Table 5. Weather corrected energy performance of the houses in the final reporting period.

Deliverable 5.3 showed some differences among the achieved electricity saving in the mid-term reporting period of houses in the two experimental subgroups. However, when analysing energy saving data for the whole reporting period such differences have substantially decreased. Therefore and in view of the obtained results, it can be assumed that those houses who stated they had played with the game in the midterm survey really played the game. With this assumption, the corrected experimental group of the EnerGAware pilot is the experimental subgroup 1. This group includes houses that either stated in the midterm survey they played the game *or* for whom in-game data records were available. Average savings for this subgroup were found to amount to 5.34%.

4.2 Energy consumption behaviours and energy awareness

The following sections contain the results of the final term survey, and provide the information needed to determine the impact of the pilot serious game intervention over time on energy consumption behaviours, including energy awareness, fuel poverty, and barriers to behaviour change.

4.2.1 Payment of energy bills

In the experimental group, 58.6% found it fairly easy, or very easy to afford their energy bills, whilst 41.4% found it neither easy nor difficult. No-one in the experimental group stated they found it difficult to pay their energy bills.

In the control group, 48.4% found it fairly easy, or very easy to afford their energy bills, whilst 32.3% found it neither easy nor difficult. The remaining 19.4% found it fairly difficult to pay their energy bills. The results are displayed in Figure 6.

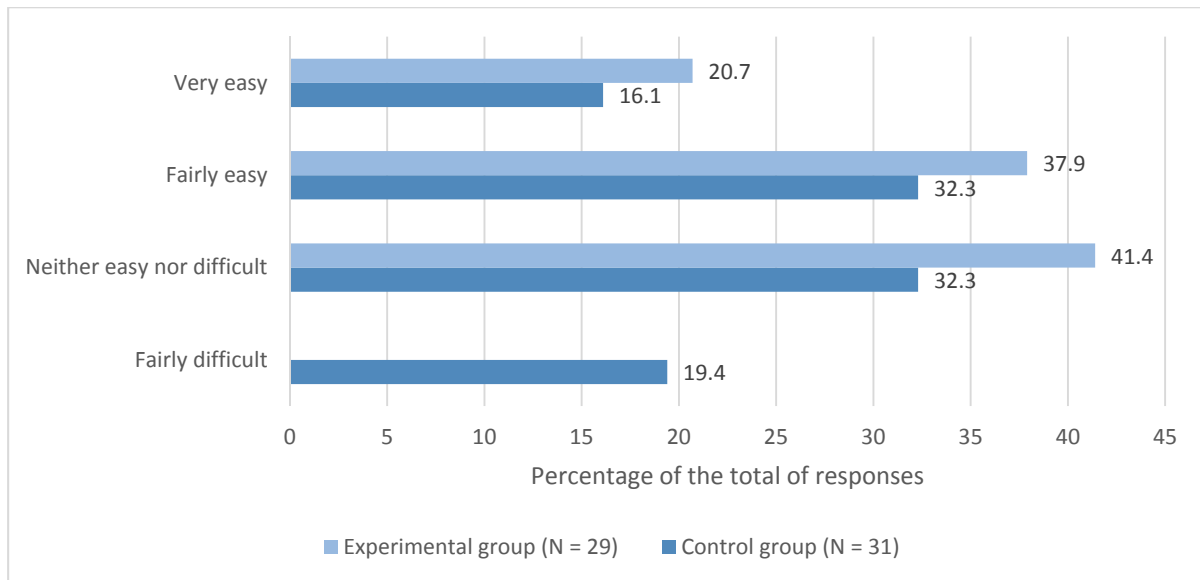


Figure 6. Responses to the question 'how easy or difficult is it for you to afford your energy bills' for the experimental and control group.

Statistical analysis revealed there was no difference between the experimental and control conditions at the final term stage: $F(1,58) = 2.18$, $p = .15$, $\eta^2 = .04$. However, a repeated measures ANOVA revealed there was significant change in affordability over time: $F(1,54) = 5.15$, $p = .03$, $\eta^2 = .09$. Participants were found to be more likely to state they found it difficult to pay their energy bills at the baseline ($M = 2.59$) versus final term ($M = 2.32$) stages. There was no interaction between time and condition: $F(1,54) = 1.12$, $p = .29$, $\eta^2 = .02$, further illustrating that there was no effect of condition on affordability. Yet it appears to be the case that simply taking part in the EnerGAware project may have had a positive effect on perceived affordability, regardless of whether householders were in the experimental or control group.

4.2.2 Self-reported energy consumption behaviours

Figures 7 to 12 show the frequency of heating-related, appliance-related and other energy behaviours in the home for the experimental and control group, respectively.

Two behaviours were often rated as 'not applicable' in both the experimental and control conditions:

1. 'I only use my dishwasher when it is full'. This was rated as 'not applicable' by 65.5% of householders in the experimental group, and 67.7% of householders in the control group.

2. 'I use energy saving modes on my appliances'. This was rated as 'not applicable' by 20.7% of householders in the experimental group, and 16.1% of householders in the control group.

Whilst another two behaviours were often rated as 'not applicable' in the control condition, but less so in the experimental condition.

1. 'I shut down my computer when it is not in use'. This was rated as 'not applicable' by 29% of householders in the control group, but was only rated as 'not applicable' by 3.4% of householders in the experimental condition.
2. 'I turn off the heating in rooms that are not usually used'. This was rated as 'not applicable' by 19.4% of householders in the control group, and 10.3% of householders in the experimental condition.

Across the categories the five (or more - if behaviours had the same percentage) most common behaviours (i.e. rated most commonly as something that householders *always* did) are presented in Table 6.

Experimental group (N = 29)	Control group (N = 31)
I make sure that the windows are closed when the heating is on (93.1%)	I make sure that the fridge and freezer doors are not open for longer than necessary (90.3%)
I make sure that the fridge and freezer doors are not open for longer than necessary (86.2%)	I make sure that the windows are closed when the heating is on (74.2%) When I am the last to leave a room I turn the lights off (74.2%)
When I am the last to leave a room I turn the lights off (82.8%)	I make sure that the curtains are open when the sun is shining in winter (71%)
I shut down my computer when it is not in use (72.4%)	I make sure that the curtains/blinds are closed when the heating is on in the evening (67.7%) When I am the last to leave a room I turn off the appliances that are on (67.7%)
I only boil the water I need in the kettle (69%)	I make sure that I use the right sized hob ring for each pan when cooking (64.5%)
I make sure that the curtains are open when the sun is shining in winter (69%)	I make sure that chargers are unplugged when not in use (64.5%)

Table 6. Most common behaviours in the experimental and control groups.

Across the categories the five most uncommon behaviours (i.e. rated most commonly as something that householders *never* did) are presented in Table 7.

Experimental group (N = 29)	Control group (N = 31)
I make sure that chargers are unplugged when not in use (34.5%)	I use energy saving modes on my appliances (32.3%)
I change the temperature on my thermostat (31%)	I close the doors between rooms (29%) I tell other people to do things that save energy (29%)
I only use my dishwasher when it is full (27.6%) I tell other people to do things that save energy (27.6%)	I adjust the temperature on my radiators (25.8%)
I try to minimise my shower time to 5 minutes (24.1%)	I try to minimise my shower time to 5 minutes (19.4%)
I make sure that no appliances are left on standby (10.3%)	I only use my dishwasher when it is full (16.1%)

Table 7. Most uncommon behaviours in the experimental and control groups.

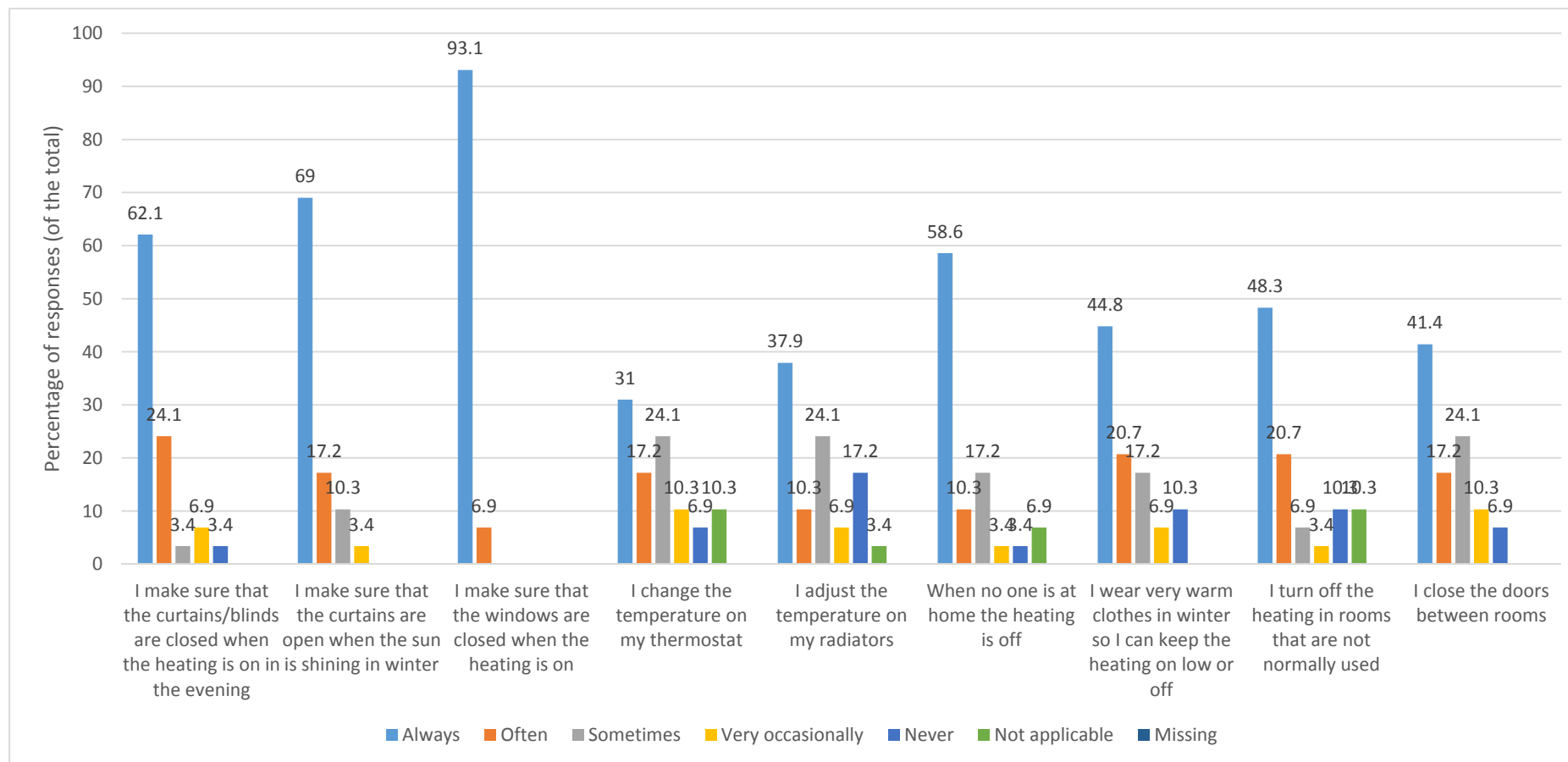


Figure 7. Heating related behaviours – experimental group (N = 29).

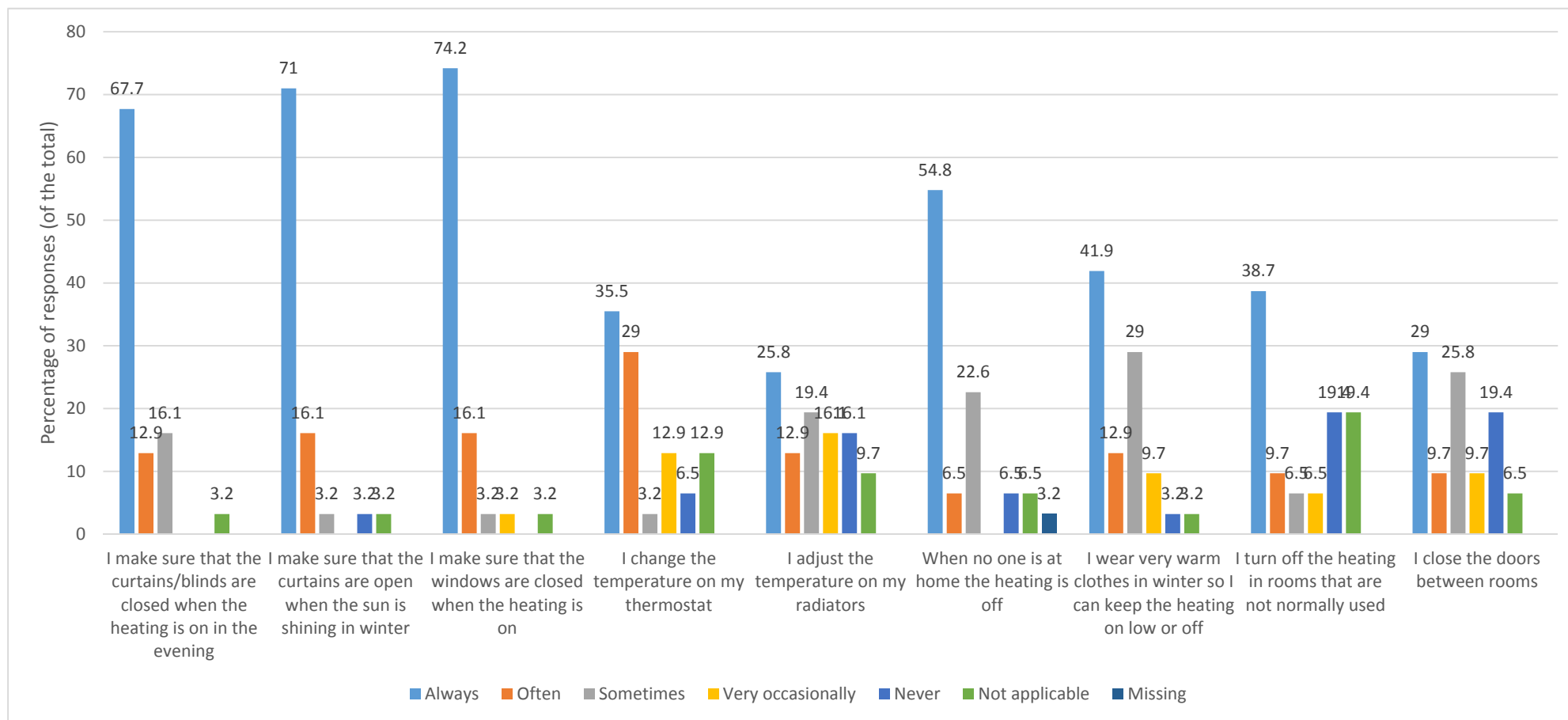


Figure 8. Heating related behaviours – control group (N = 31).

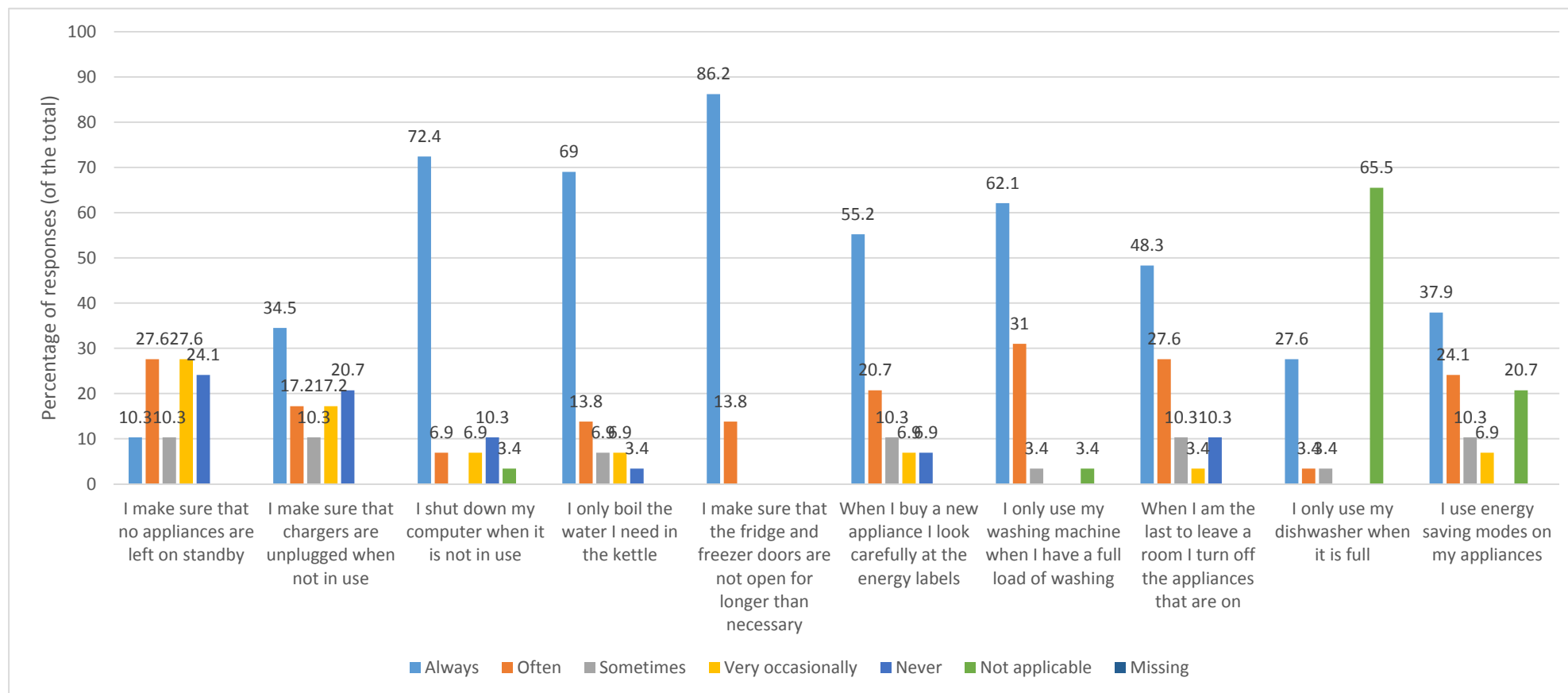


Figure 9. Appliance related behaviours – experimental group (N = 29).

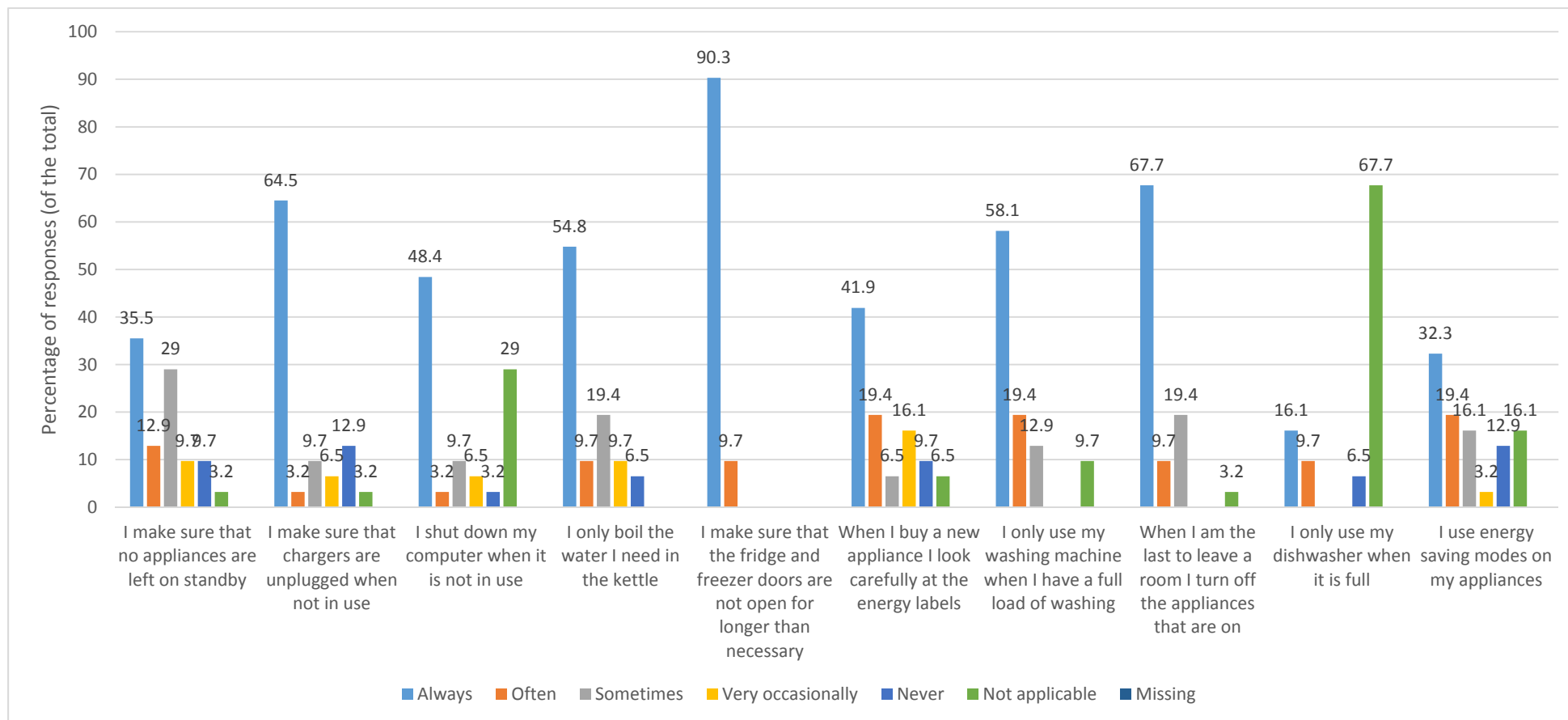


Figure 10. Appliance related behaviours – control group (N = 31).

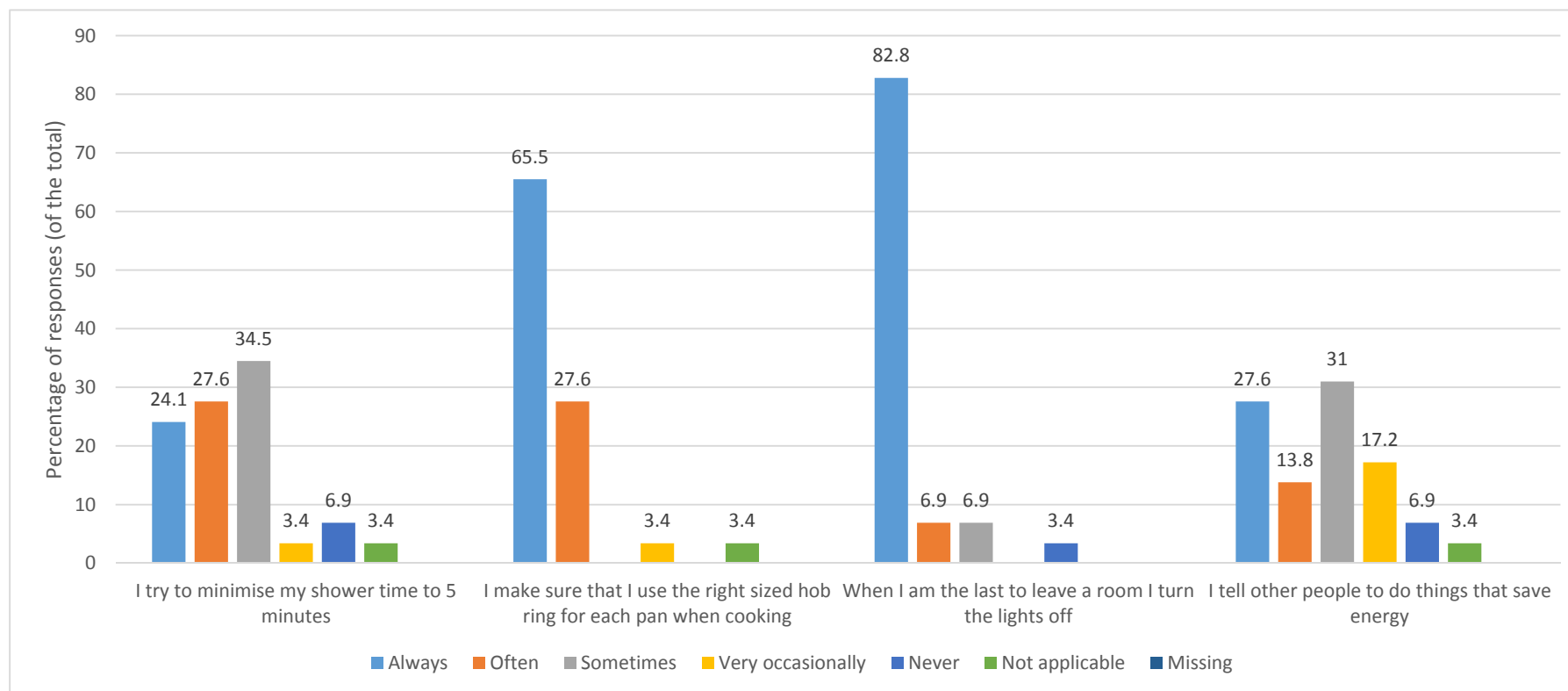


Figure 11. Other energy-related behaviours – experimental group (N = 29).

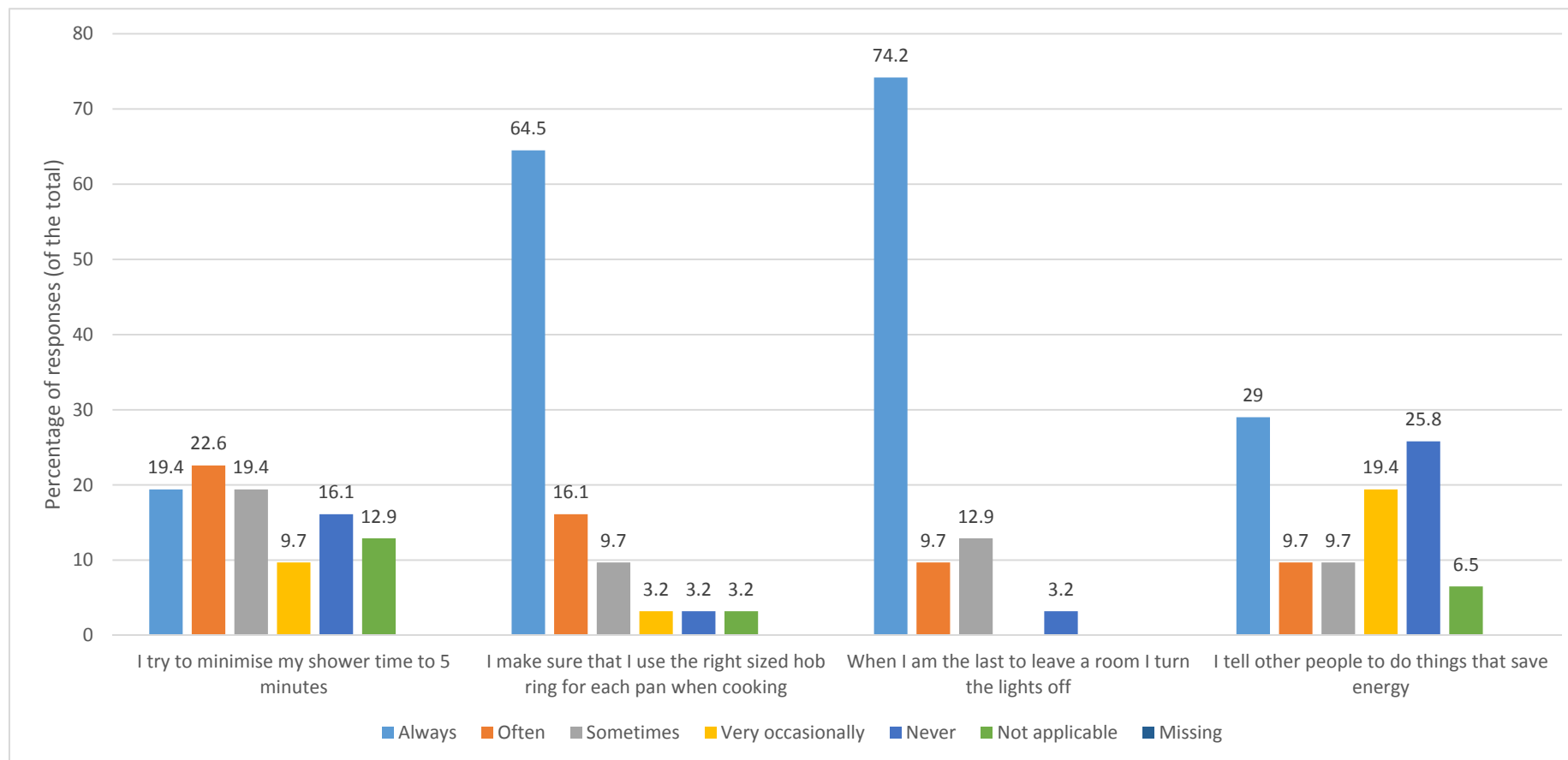


Figure 12. Other energy-related behaviours – control group (N = 31).

4.2.2.1 Experimental versus control conditions

Statistical analysis revealed a significant difference between the experimental and control conditions at the final term stage for 1/23 energy saving behaviours, as follows:

Item 7: 'I make sure that no appliances are left on standby', $t(57) = -2.36$, $p = .02$. However, contrary to predictions, participants were significantly more likely to report engaging with the behaviour in the control versus experimental conditions: M 's = 3.57 vs. 2.72 respectively.

This suggests that the experimental intervention was not effective (vs. control) in inciting behaviour change in terms of self-reported engagement with various energy saving behaviours. Supporting this, analysis of the mean scores for the 23 items when collapsed and treated as a scale measure also revealed no significant differences between the experimental and control conditions in overall likelihood of engagement at the final term stage: M 's = 4.08 vs. 4.01 respectively, $t(58) = .48$, $p = .63$.

4.2.2.2 Baseline versus final term surveys

The frequency of engagement with the energy saving behaviours was then compared between the baseline and final term surveys, in order to determine whether there had been any change in likelihood of engagement over time according to condition.

A repeated measures ANOVA revealed no main effect of time on likelihood of engaging with the energy saving behaviours: $F(1,55) = 2.28$, $p = .14$, $\eta^2 = .04$, and no interaction between time and condition: $F(1,55) = .13$, $p = .72$, $\eta^2 = .002$. Results are displayed in Figure 13.

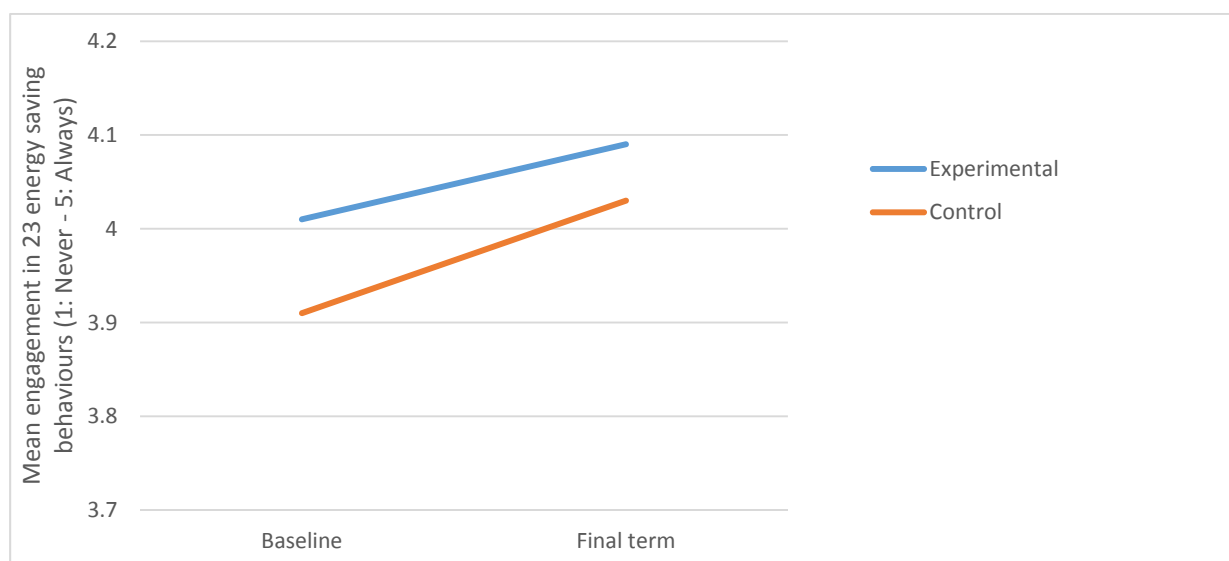


Figure 13. Line chart displaying mean engagement in energy saving behaviours scores over time (baseline vs. final term) according to condition.

A series of paired t-tests were then conducted to explore any change in engagement with the individual items over time. Results revealed a significant difference in likelihood of engagement in 1/23 behaviours, as follows:

Item 3: 'I make sure that the windows are closed when the heating is on', $t(55) = 2.26$, $p = .03$. In line with predictions, a significant increase in likelihood of engagement in this behaviour was found in the final term versus baseline surveys (M 's = 4.86 vs. 4.70 respectively). However, it is important to note that this change in behaviour over time was only found to be apparent for 1 item on a 23 item scale. As such it is not possible to draw inference from this regarding the effectiveness of the intervention in inciting behaviour change. Indeed, when looking at the scale as a whole, we find no difference in likelihood of engagement over time, or according to experimental condition.

4.2.3 Self-reported energy saving behaviours (Questions 8, 9, 10 and 11)

We also asked participants to self-report changes in their behaviour over the last 3 months using the following 4 questions:

- Q8. During the last 3 months, compared to normally at this time of year, would you say that you have heated your home...
- Q9. During the last 3 months, compared to normally at this time of year, would you say that you have set your thermostat to...
- Q10. During the last 3 months, compared to normally at this time of year, would you say that you have set your living room radiator to...
- Q11. During the last 3 months, compared to normally at this time of year, would you say that you have set your main bedroom radiator to...

Answers were given on three point Likert-scales ranging from 1 (More than normal) – 3 (Less than normal). Results are displayed in Figures 14 – 16.

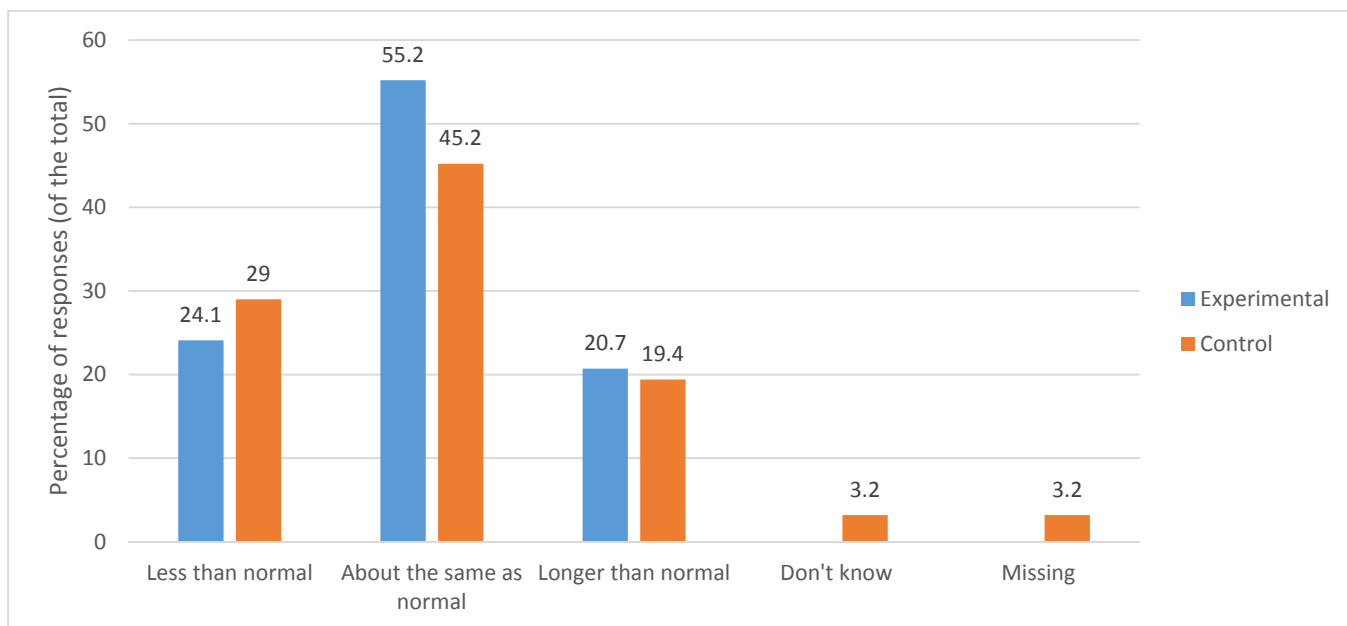


Figure 14. Bar chart displaying spread of response for Q8 'During the last 3 months, compared to normally at this time of year, would you say that you have heated your home...' across experimental (N = 29) and control (N = 31) conditions.

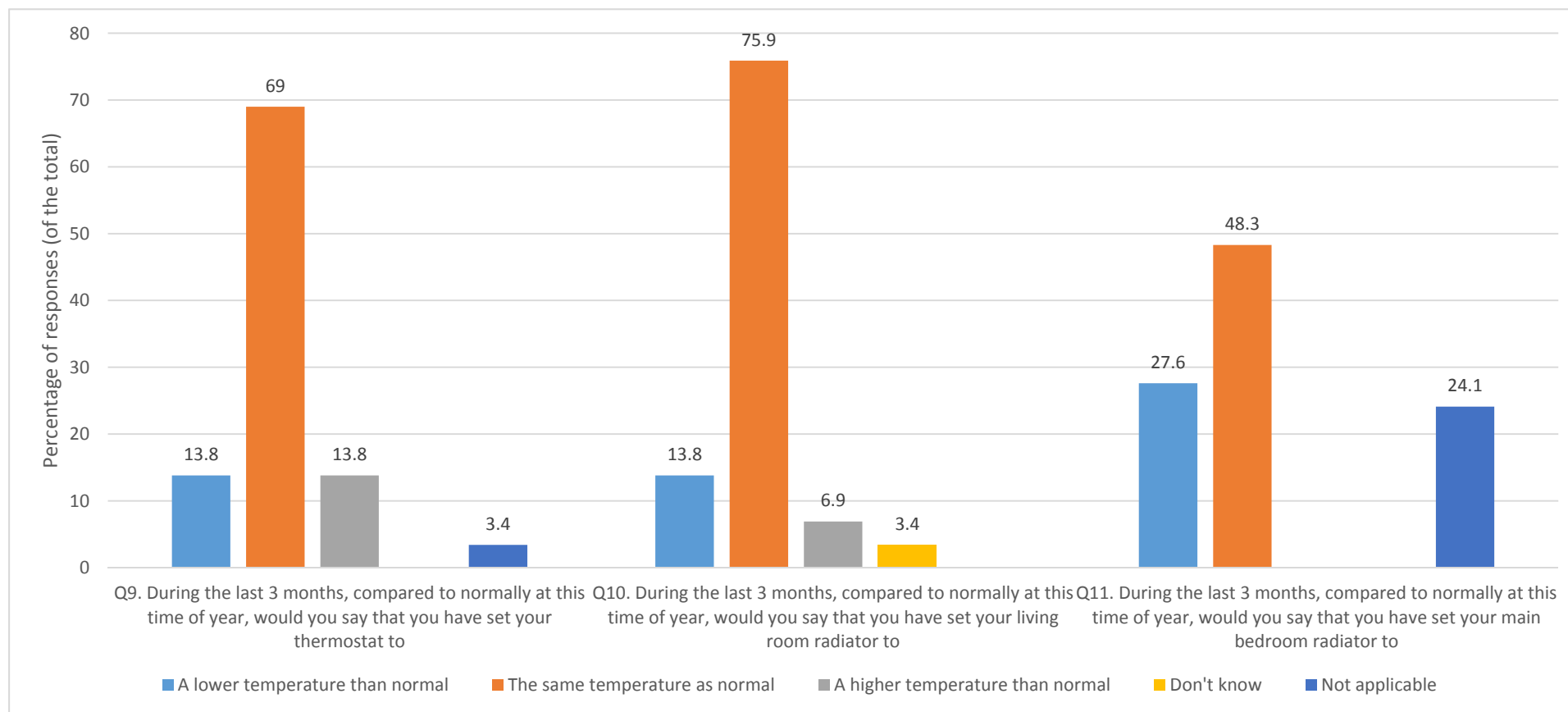


Figure 15. Q9 – Q11 – experimental group (N = 29).

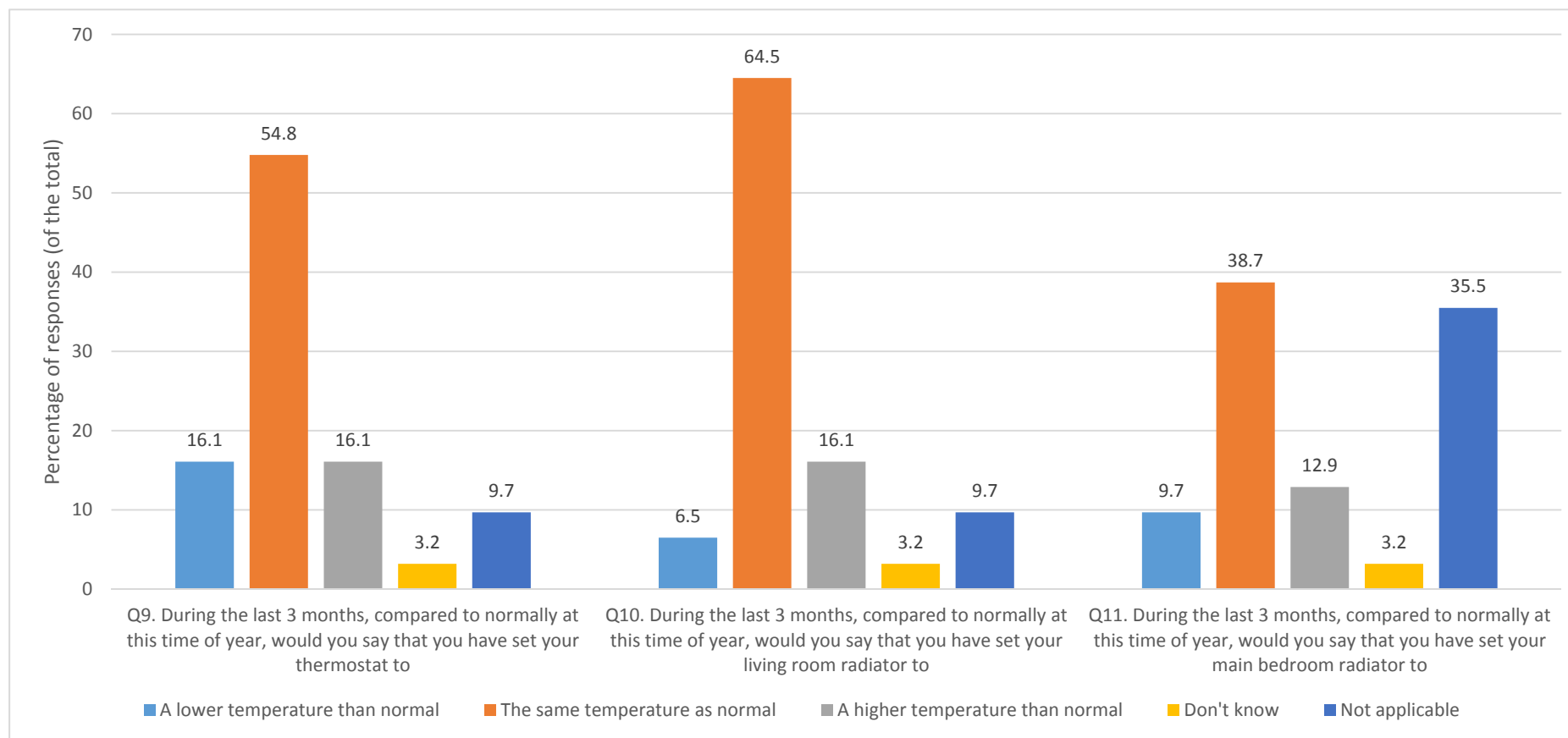


Figure 16. Q9 – Q11 – control group (N = 31).

Statistical analysis revealed a significant difference between the experimental and control conditions for Q11; participants were significantly more likely to state they had set their main bedroom radiator to a lower temperature than normal in the experimental versus control condition: $t(39) = 2.39$, $p = .02$ (M 's = 2.36 vs. 1.95 respectively). No difference was found between conditions for Q's 8, 9, or 10.

Paired t-tests revealed no differences in response to Q's 8 -11 between the mid-term and final term surveys across condition, suggesting there were no changes in engagement with these energy saving behaviours over time.

4.2.4 Energy awareness

The following subsections present the results of the energy awareness analyses, contrasting: a) the experimental versus control conditions at the final term stage, and b) responses to the baseline versus final term surveys.

4.2.4.1 Experimental versus control conditions

Energy awareness was analysed through energy understanding, perceptions and motivations, perceived control over energy use and social norms.

4.2.4.1.1 Energy understanding

As can be seen in Figure 17, responses to the question whether householders did not understand how their home uses energy were mixed, in both the experimental and control group the largest groups of respondents answered either 'neither agree nor disagree', or 'disagree' / 'strongly disagree'.

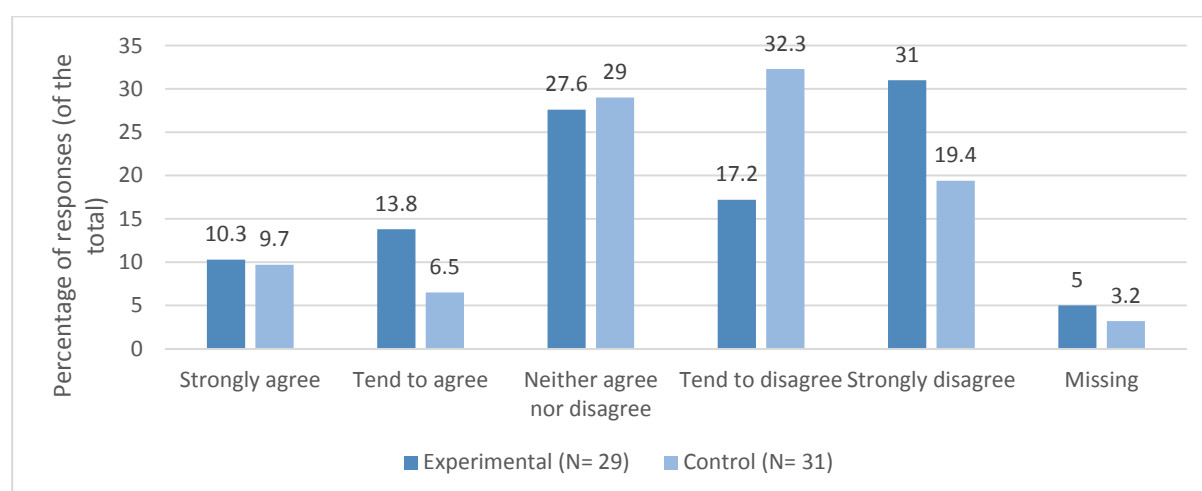


Figure 17. Bar chart displaying response to the statement: 'I don't understand how my home uses energy' (experimental vs. control at final term stage).

Statistical analysis revealed that there were no significant differences between response to this item in the experimental and control group at the final term stage.

4.2.4.1.2 Perceptions and motivations

Perceptions and motivations were assessed using the following six items:

1. 'I am worried about my energy bills'.
2. 'I don't trust my energy supplier'.
3. 'I can easily imagine how much energy my home uses'.
4. 'I often think about how I can save energy'.
5. 'I am not able to save any more energy'.
6. 'I am prepared to save energy with the right support.'

Results are displayed in Figures 18 – 23.

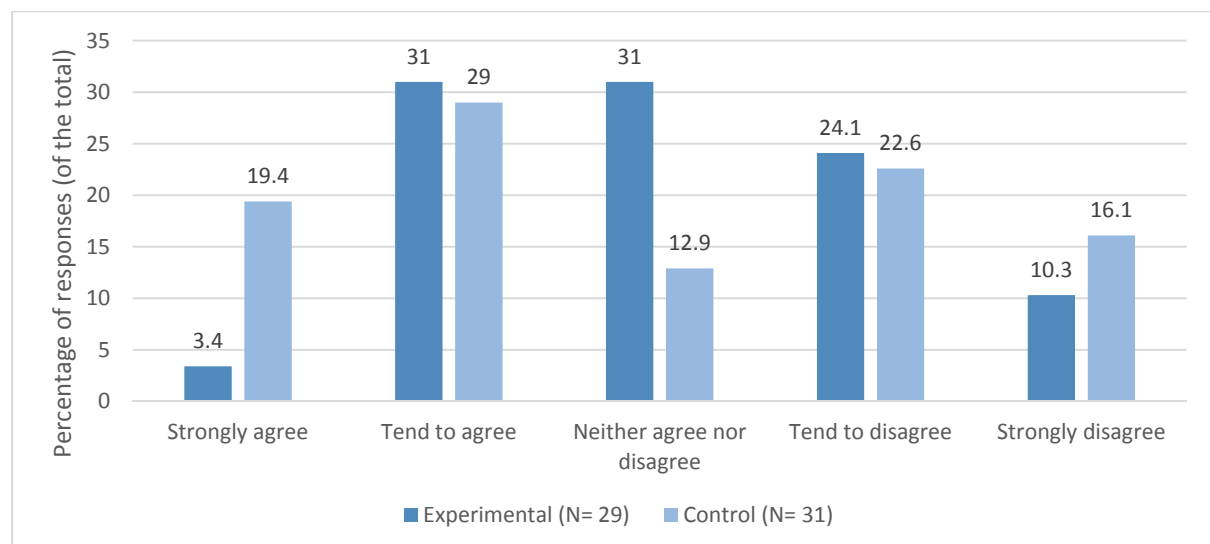


Figure 18. Bar chart displaying response to the statement: 'I am worried about my energy bills' (experimental vs. control at final term stage).

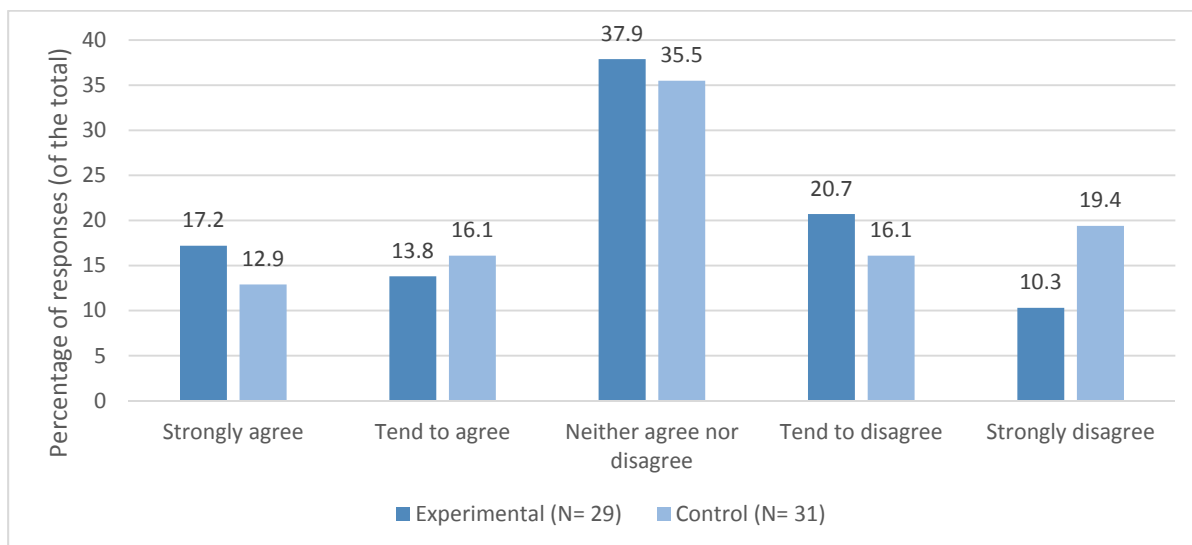


Figure 19. Bar chart displaying response to the statement: 'I don't trust my energy supplier' (experimental vs. control at final term stage).

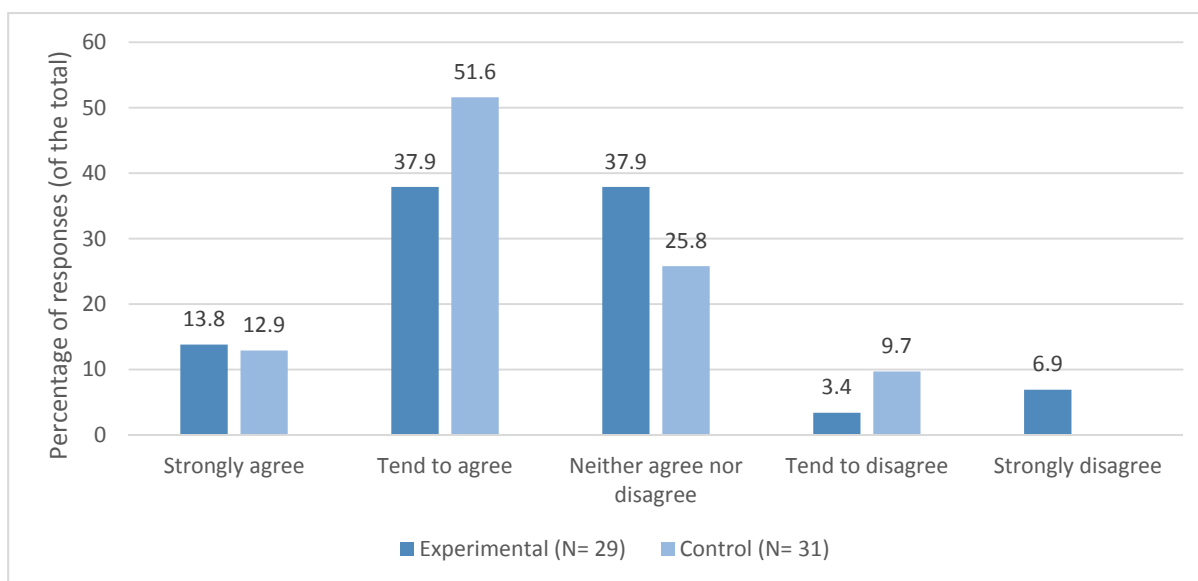


Figure 20. Bar chart displaying response to the statement: 'I can easily imagine how much energy my home uses' (experimental vs. control at final term stage).

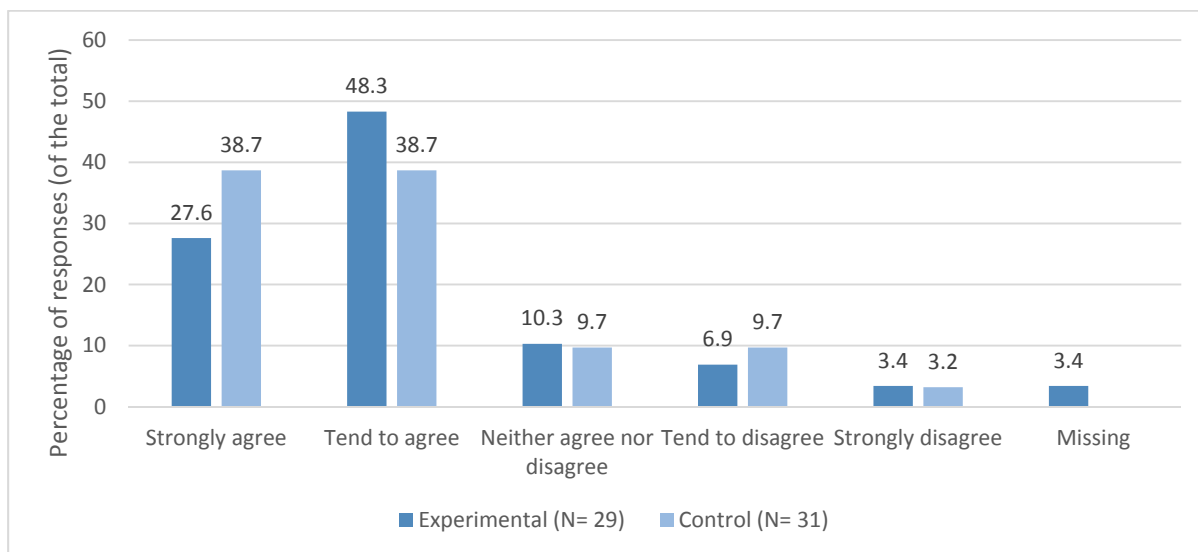


Figure 21. Bar chart displaying response to the statement: 'I often think about how I can save energy' (experimental vs. control at final term stage).

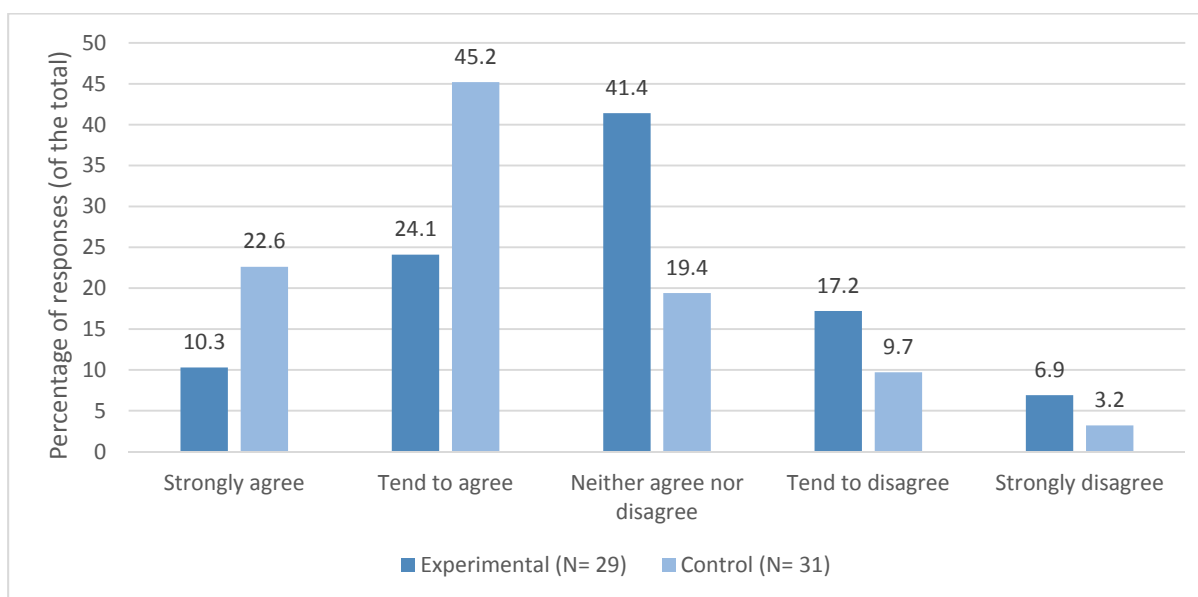


Figure 22. Bar chart displaying response to the statement: 'I am not able to save any more energy' (experimental vs. control at final term stage).

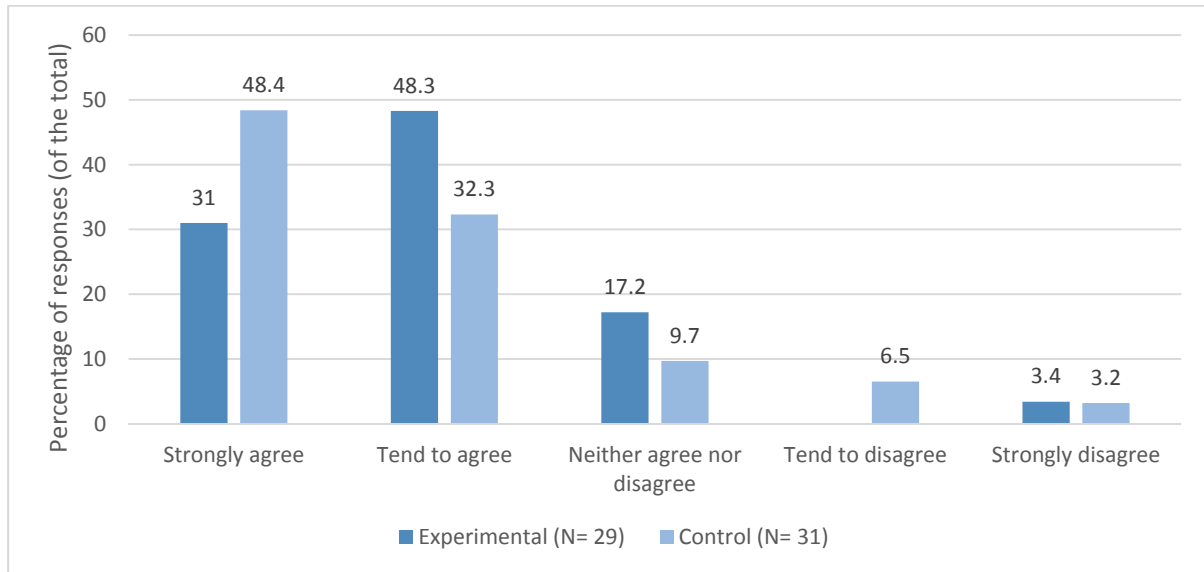


Figure 23. Bar chart displaying response to the statement: 'I prepared to save energy with the right support' (experimental vs. control at final term stage).

Statistical analysis revealed a significant difference between the experimental and control conditions for one of these six items in the final term survey, as follows:

Item 5: 'I am not able to save any more energy', $t(58) = -2.24$, $p = .03$. Participants were significantly more likely to agree with this statement in the control versus experimental conditions: M 's = 3.74 vs. 3.14 respectively. Contrary to predictions, this appears to suggest that participants in the control (vs. experimental) group were more likely to feel that they were doing all they could to save energy at the final term stage. No differences were found between the experimental and control conditions for any of the other items.

4.2.4.1.3 Perceived control

Subjects' perceived control over energy use was assessed using the following item: 'I have control over how much energy is consumed in my home'. Results are displayed in Figure 24.

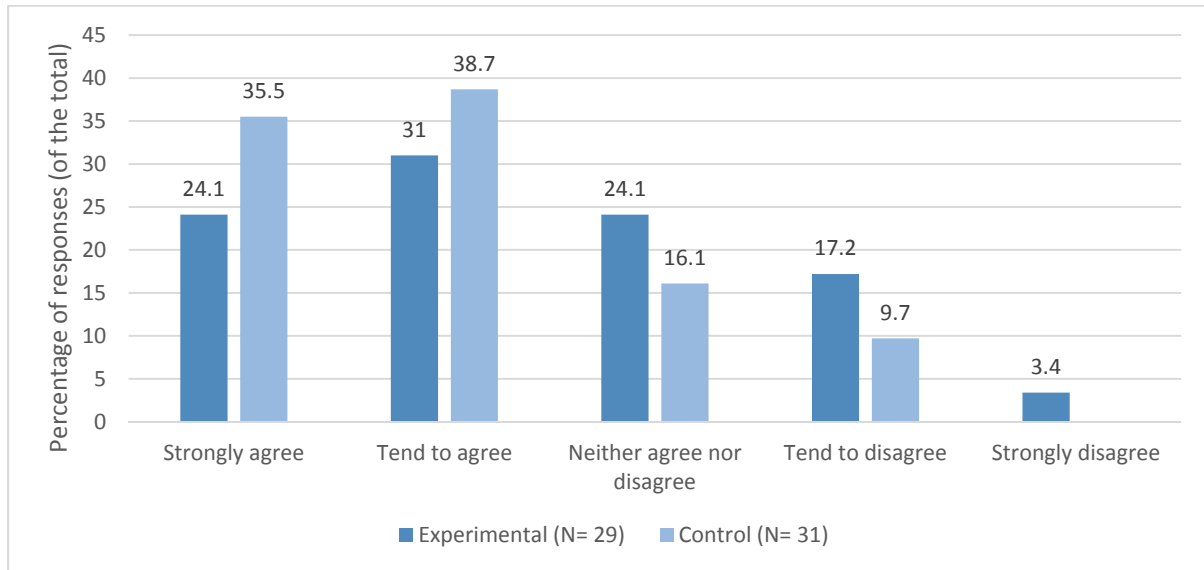


Figure 24. Bar chart displaying response to the statement: 'I have control over how much energy is consumed in my home' (experimental vs. control at final term stage).

As Figure 24 shows, the majority of respondents in both the experimental and control conditions stated they agreed with this statement, providing evidence for high perceived control across conditions at the final term stage. Statistical analysis revealed no difference between the experimental and control conditions.

4.2.4.1.4 Social norms

Finally, the role of social norms was assessed using the following item: 'My friends and family say it's important to save energy'. Results are displayed in Figure 25.

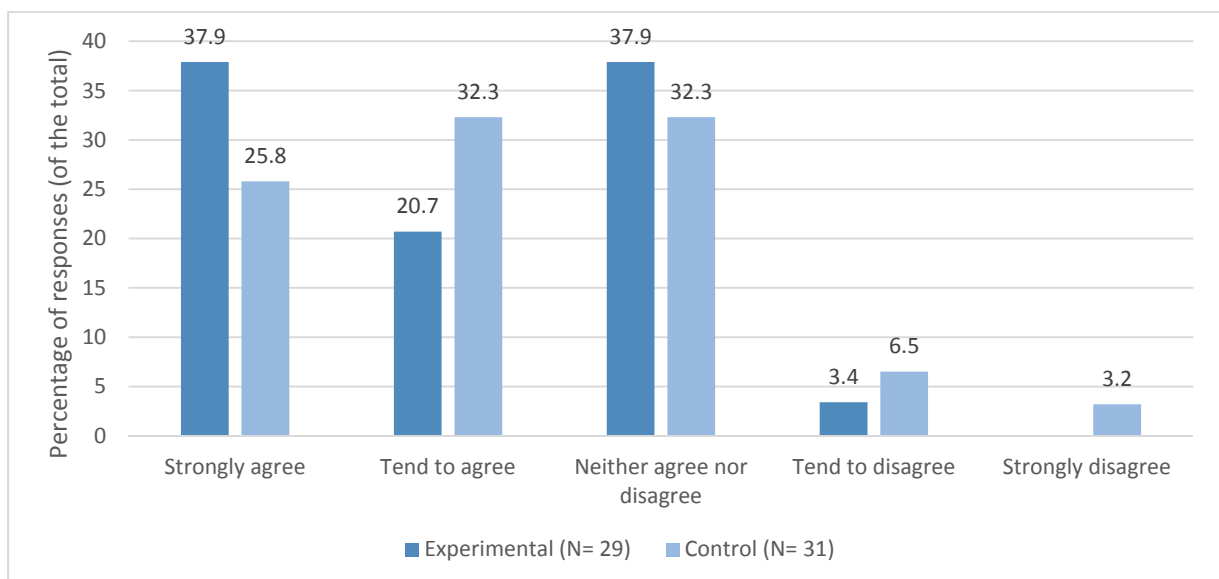


Figure 25. Bar chart displaying response to the statement: 'My friends and family say it's important to save energy' (experimental vs. control at final term stage).

As Figure 25 shows, responses to this item were divided between 'strongly agree / agree', and 'neither agree nor disagree'. A similar pattern of response was given in the experimental and control conditions, and statistical analysis revealed no difference between the two conditions at the final term stage.

4.2.4.1.5 Scale measure of energy awareness

When the items were collapsed and treated as a scale measure of awareness using the nine items of understanding, perceptions and motivations, perceived control and social norms, there was no evidence for any impact of the experimental manipulation on energy awareness at the final term stage: $t(58) = -1.68$, $p = .10$, Cronbach's alpha $\alpha = .55$. Participants had similar levels of energy awareness when the items were treated as a scale in the experimental ($M = 3.45$) versus control ($M = 3.71$) conditions.

4.2.4.2 Baseline versus final term surveys

The same analysis was then carried out on the same items for the baseline versus final term survey, in order to determine if there were any changes in energy awareness over time. The following sections mainly focus on results for the experimental group, as this is the target of the intervention and the group predicted to have changed their behaviour over time. However, in the interests of completeness, results for the control group are also presented.

4.2.4.2.1 Energy understanding

For the experimental group, statistical analysis revealed a significant difference in energy understanding over time. Responses to the item: 'I don't understand how my home uses energy', are shown in Figure 26. Statistical analysis revealed that subjects were more likely to *agree* with this statement at the baseline versus final term stages: $t(27) = 2.31$, $p = .03$ (M 's = 3.18 versus 2.54 respectively). This appears to demonstrate that, in line with predictions, participants in the experimental group were more likely to agree with the statement that they *do not understand* how their home uses energy at the baseline versus final term stages.

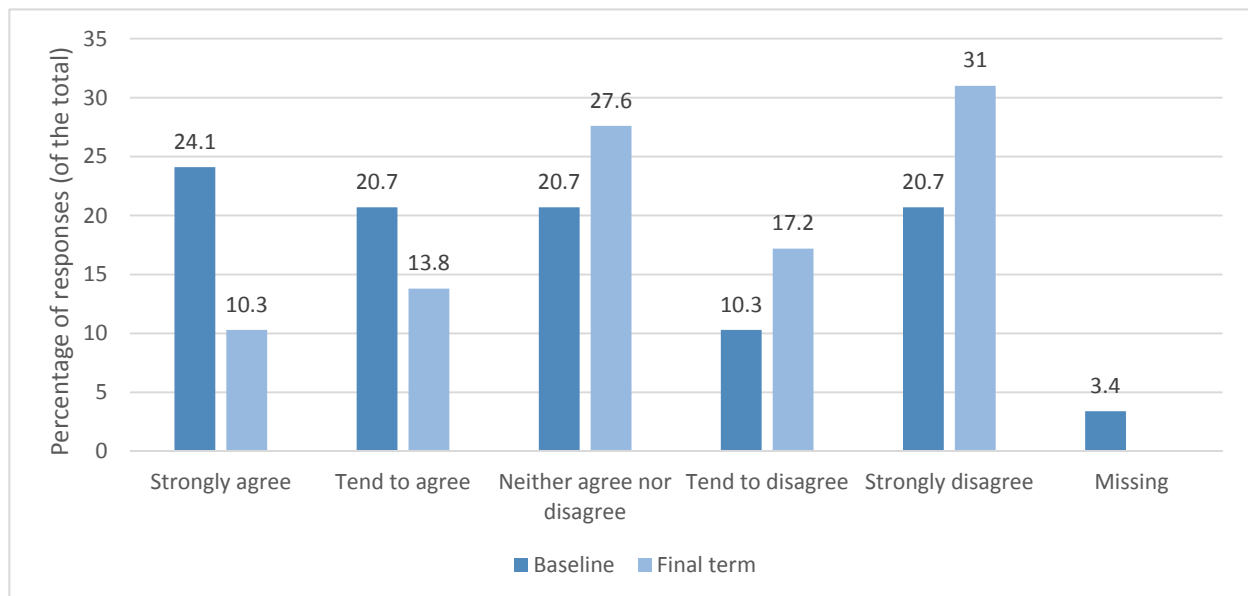


Figure 26. Bar chart for baseline versus final term response to the statement: 'I don't understand how my home uses energy' for the experimental group.

No difference was found for the control group over time: $t(27) = -.66$, $p = .52$, with similar levels of agreement with this statement found at the baseline ($M = 2.61$) and final term ($M = 2.43$) stages.

4.2.4.2.2 Perceptions and motivations

Statistical analysis revealed no significant differences over time for any of the six 'perceptions and motivations' items for either the experimental or control conditions. Results for the experimental group are displayed in Figures 27 – 32.

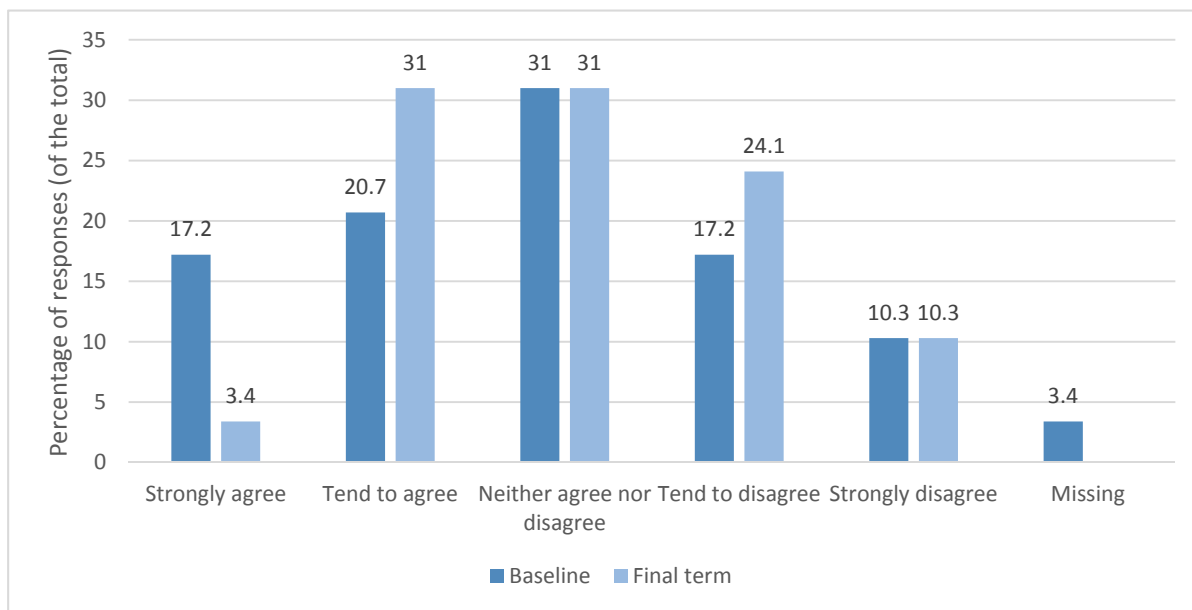


Figure 27. Bar chart for baseline versus final term response to the statement: 'I am worried about my energy bills' for the experimental group.

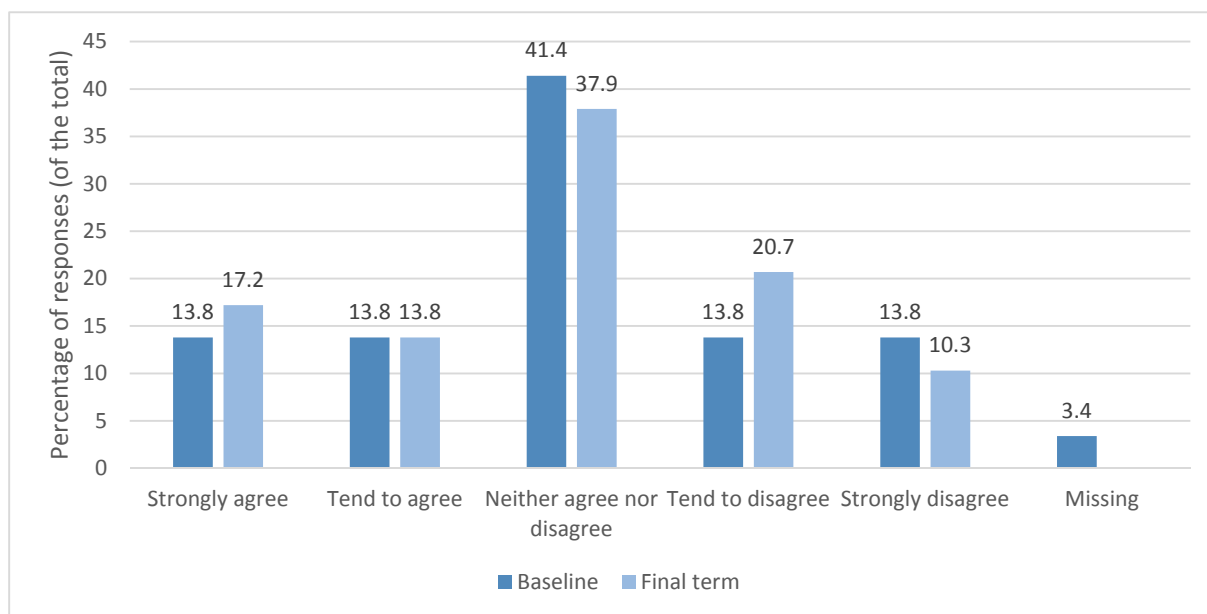


Figure 28. Bar chart for baseline versus final term response to the statement: 'I don't trust my energy supplier' for the experimental group.

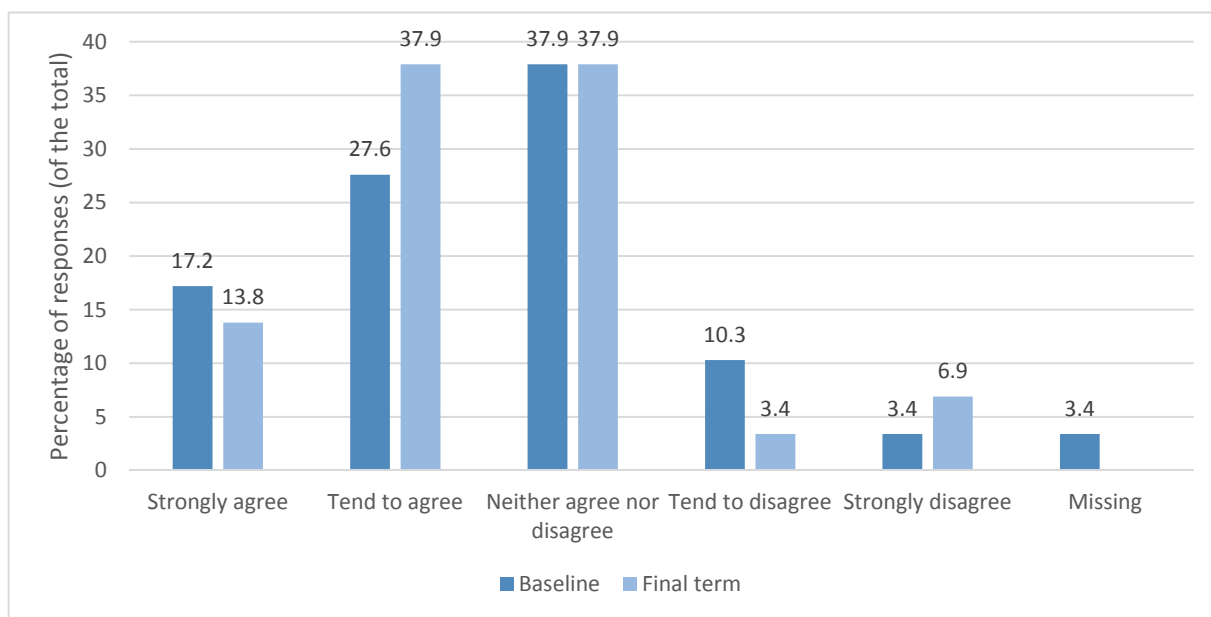


Figure 29. Bar chart for baseline versus final term response to the statement: 'I can easily imagine how much energy my home uses' for the experimental group.

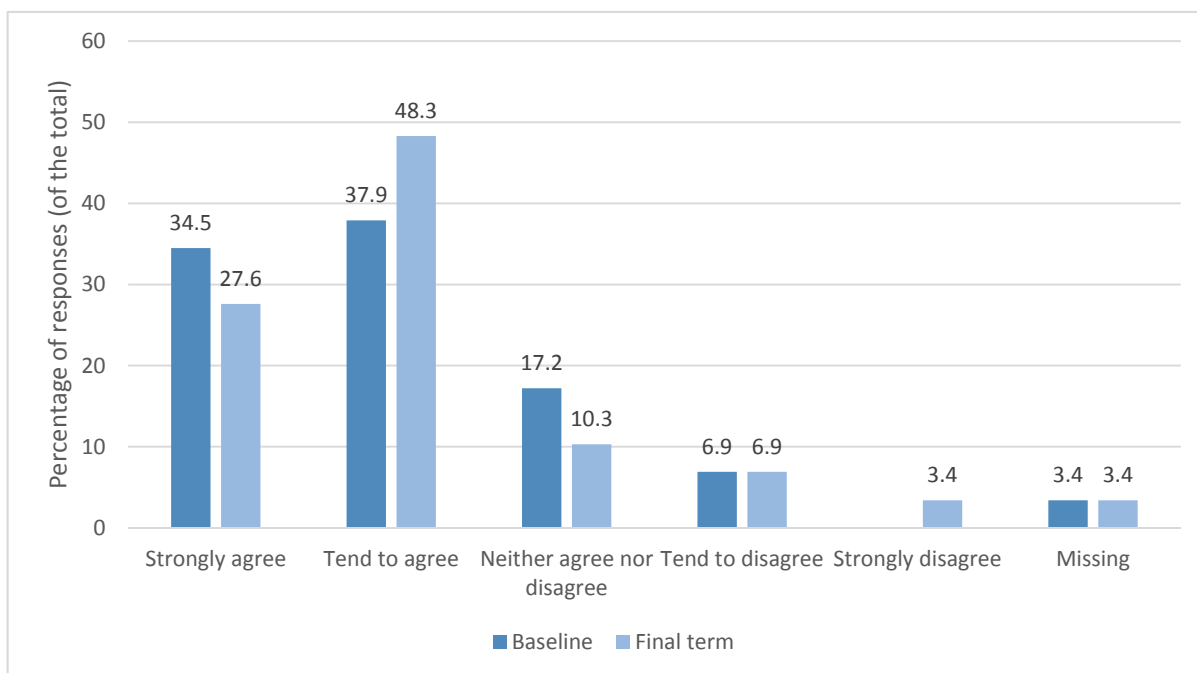


Figure 30. Bar chart for baseline versus final term response to the statement: 'I often think about how I can save energy' for the experimental group.

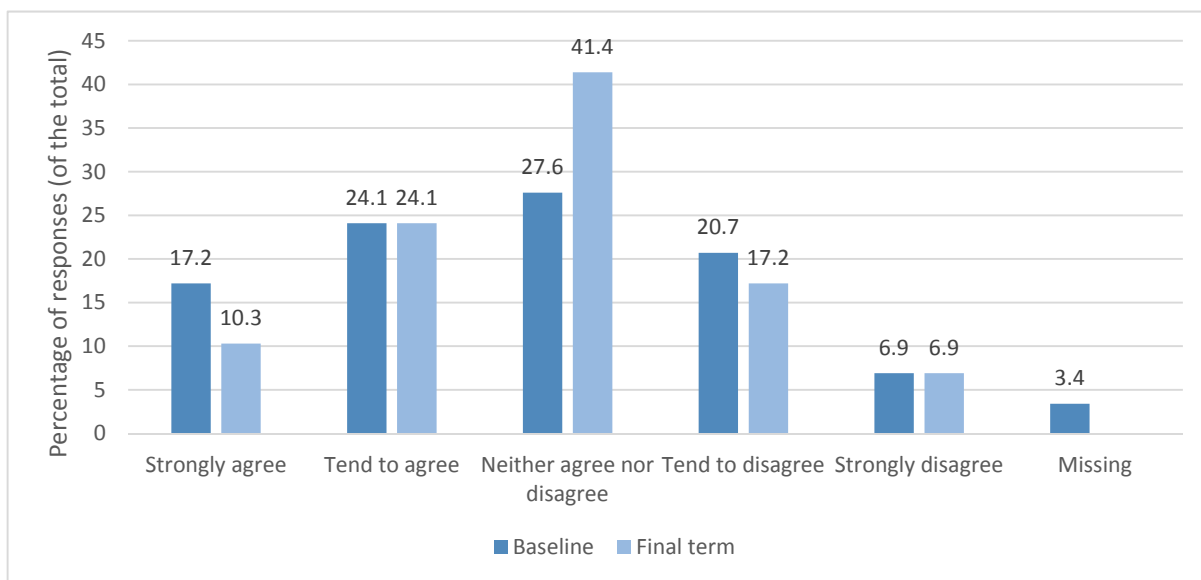


Figure 31. Bar chart for baseline versus final term response to the statement: 'I am not able to save any more energy' for the experimental group.

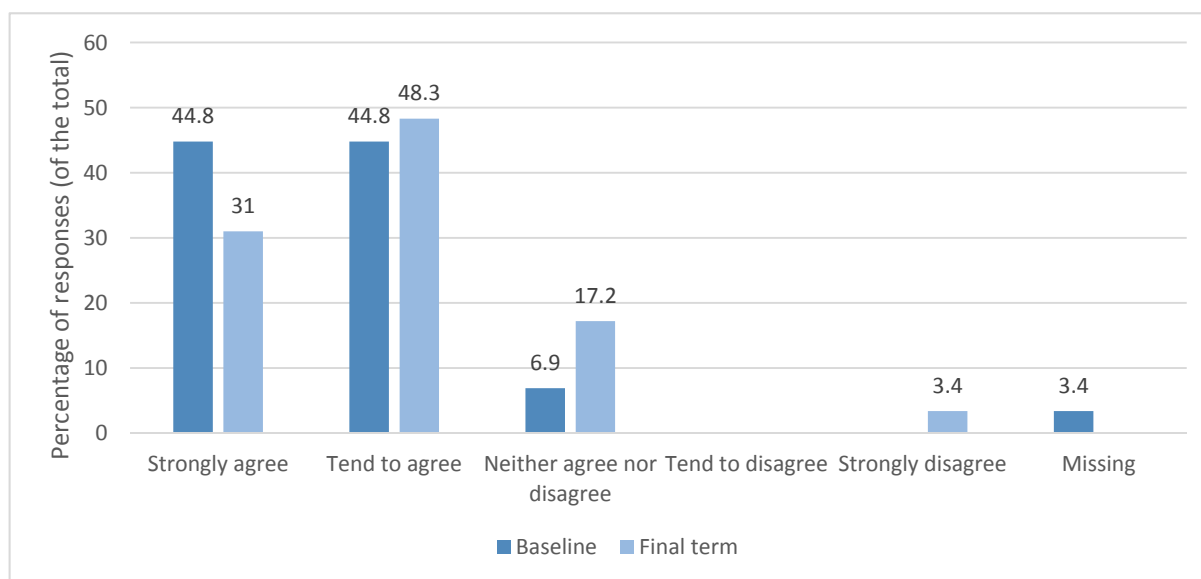


Figure 32. Bar chart for baseline versus final term response to the statement: 'I am prepared to save energy with the right support' for the experimental group.

4.2.4.2.3 Perceived control

Statistical analysis revealed no changes in perceived control over energy use over time for either the experimental group. Results are displayed in Figure 33.

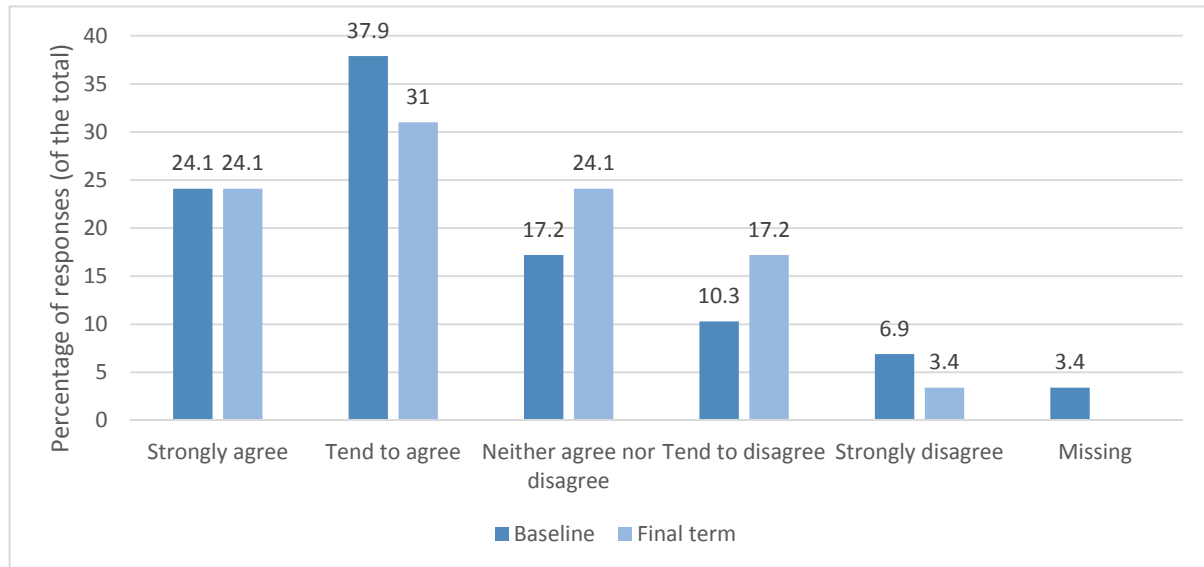


Figure 33. Bar chart for baseline versus final term response to the statement: 'I have control over how much energy is consumed in my home' for the experimental group.

As Figure 33 shows, subjects were equally likely to agree that they had control over their home energy use at the baseline ($M= 3.64$) vs. final term ($M= 3.57$) stages. Furthermore, no significant difference was found for the control group.

4.2.4.2.4 Social norms

Statistical analysis revealed no changes in perceptions of social norms in energy use over time for the experimental group. Results are displayed in Figure 34.

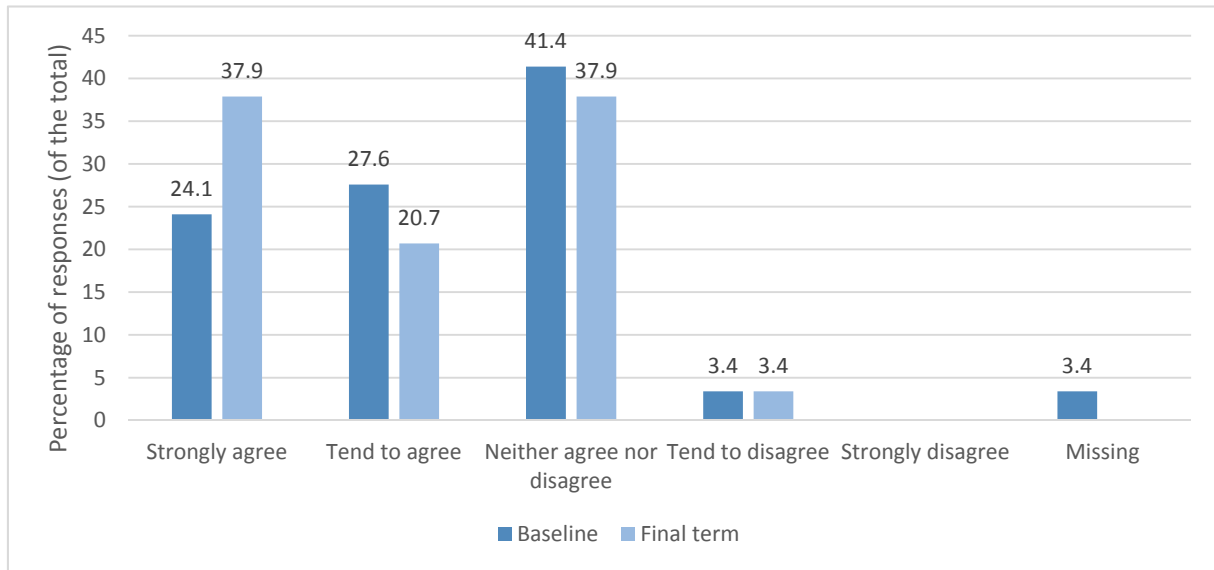


Figure 34. Bar chart for baseline versus final term response to the statement: 'My friends and family say it's important to save energy' for the experimental group.

Subjects were just as likely to agree that their friends and family thought it was important to save energy at the baseline ($M = 3.75$) vs. final term ($M = 3.96$) stages.

However, a significant effect of time *was* found for the control group: $t(28) = -2.07$, $p = .05$, with subjects being more likely to state their friends and family thought it was important to save energy at the baseline ($M = 4.00$) versus baseline ($M = 3.66$) stages.

4.2.4.2.5 Scale measure of energy awareness

A repeated measures ANOVA was then conducted in order to assess whether there had been any change in overall energy awareness over time, when the items were collapsed and treated as a scale measure (Cronbach's alpha $\alpha = .55$). Results indicated that there was no main effect of time (baseline vs. final term) on overall energy awareness: $F(1,55) = .82$, $p = .37$, $\eta^2 = .02$, and no interaction between time and condition: $F(1,55) = .73$, $p = .40$, $\eta^2 = .01$ (Figure 35).

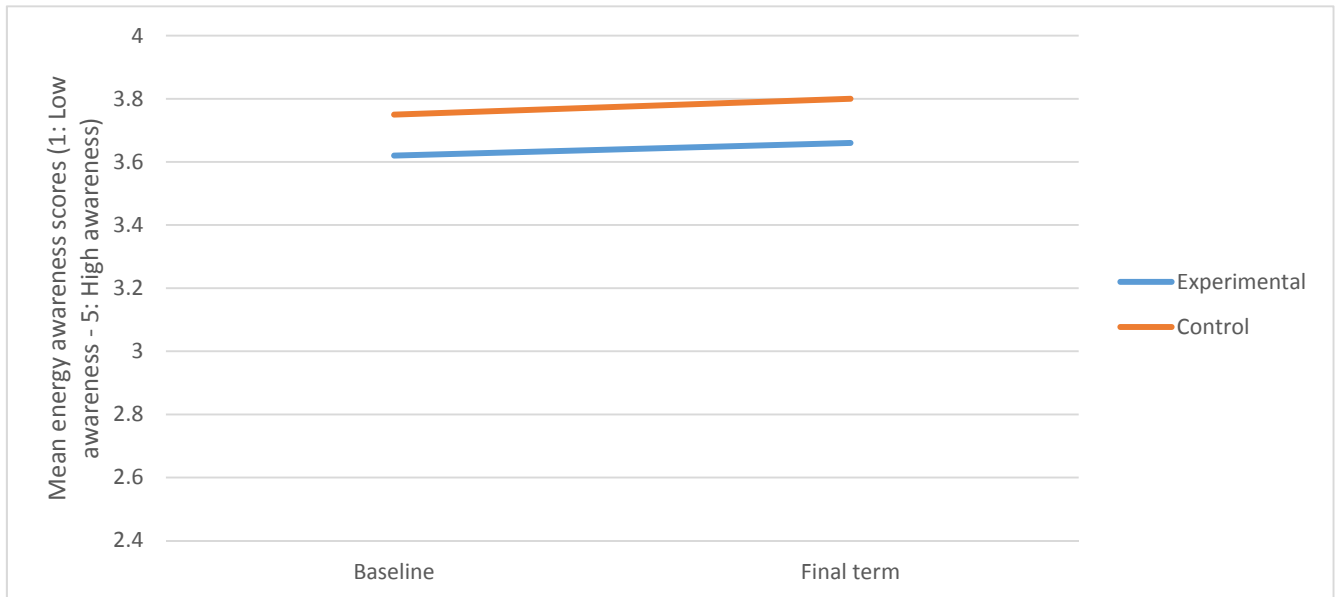


Figure 35. Line chart displaying mean energy awareness scores over time (baseline vs. final term) according to condition.

Overall, these results appear to indicate that there were no significant differences in energy awareness and understanding between the experimental and control conditions at the final term stage, and no overall change in these measures over time.

4.2.4.3 Additional statistical analysis of intervention effects over time including mid-term survey data

We then conducted a series of repeated measures ANOVA's including the mid-term data for both energy awareness, and self-reported engagement in energy saving behaviours. In terms of energy awareness, no there was no main effect of time: $F(2,72) = .006$, $p = .99$, $\eta^2 < .001$, and no interaction between time and condition: $F(2,72) = 1.85$, $p = .16$, $\eta^2 = .05$. This suggests there was no overall difference in energy awareness across the three time periods, or according to condition.

In terms of engagement in the energy saving behaviours, a significant main effect of time was found: $F(2,70) = 3.37$, $p = .04$, $\eta^2 = .09$. Post-hoc contrasts revealed that participants were more likely to report greater engagement with the energy saving behaviours at the mid-term vs. baseline stage ($p = .01$, M 's = 4.12 vs. 3.96 respectively). However no differences were found when looking at either the baseline or mid-term vs. final-term stages ($M = 4.09$). In addition, there was no interaction between time and condition: $F(2,70) = .42$, $p = .66$, $\eta^2 = .01$. As such, it appears that whilst participants were likely to report greater engagement with the energy saving behaviours at the mid-term versus baseline stages, this effect was no longer apparent at the final term stage, with scores here being similar to the baseline measure. In addition, there was no difference in engagement according to condition at any of the

stages. Consequently, it appears that engagement in the EnerGAware project was effective in inciting some effort to reduce consumption, but that this was only effective in the relative short term, and did not persist until the final term stage. In addition, it appears that this difference was not attributable to the experimental manipulation, but rather with engagement in the programme across participants.

A series of paired t-tests looking at Q's 8 – 11 (self-reported changes in temperature settings / heating use) revealed no significant differences between the mid-term and final term stages.

4.2.5 Fuel poverty

A similar proportion of respondents reported experiencing fuel poverty in the experimental versus control conditions at the final term stage (10.3% vs. 12.9% respectively). Statistical analysis revealed no differences in the experience of fuel poverty between conditions at the final term stage: $t(58) = -.019$, $p = .99$. Results are displayed in Figure 36.

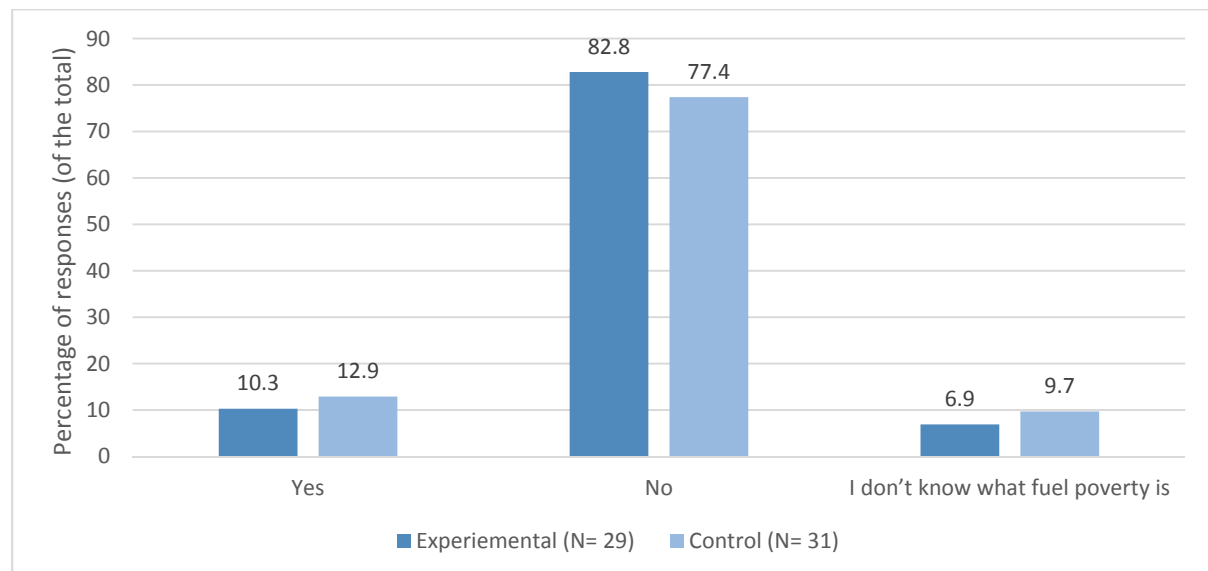


Figure 36. Bar chart displaying response to the question: 'Would you say that you experience fuel poverty in your household?' (Experimental vs. control at final term stage).

Statistical analysis also revealed no significant change in response to this question over time, when comparing the baseline and final term stages: $t(56) = 1.40$, $p = .17$. Results are displayed in Figure 37.

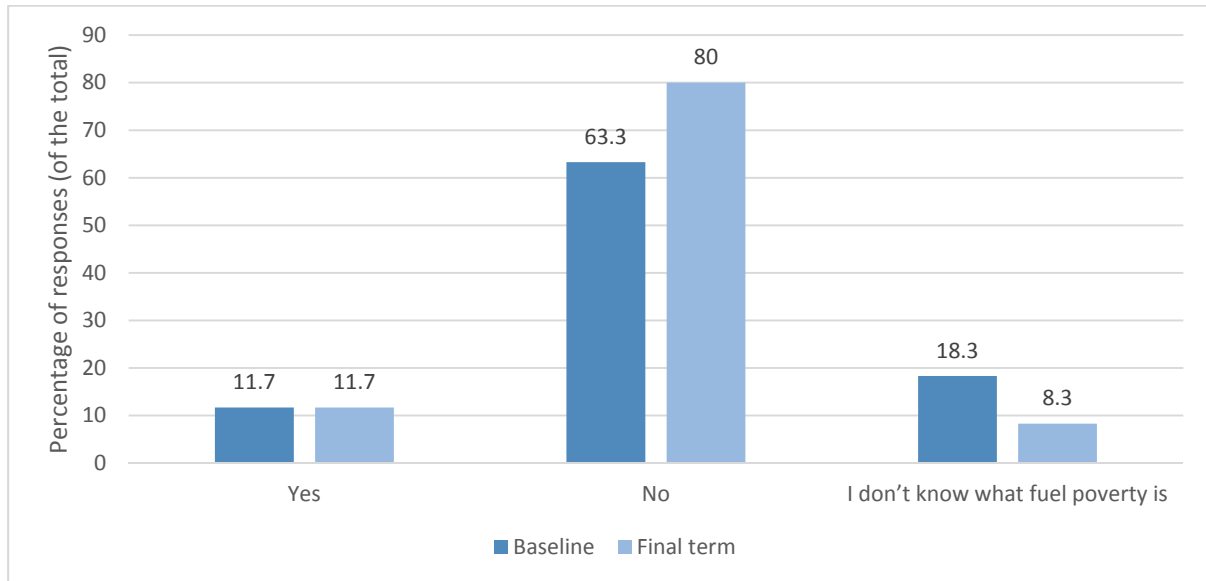


Figure 37. Bar chart for baseline versus final term response to the question: 'Would you say that you experience fuel poverty in your household?'.

As Figure 37 shows, exactly the same proportion of respondents stated they did experience fuel poverty at the final term vs. baseline stages. The only change over time was a reduction in the proportion of respondents who stated that they did not know what fuel poverty is, at the final term vs. baseline stages across condition.

4.2.6 Sub-group analysis

This section presents the results of sub-group analysis, focusing on the 12 participants who stated they had played the game versus the control group. This section replicates the main analyses for engagement in energy behaviours and changes in energy awareness and understanding.

4.2.6.1 Self-reported energy consumption behaviours

The following subsections present the results of the self-reported consumption behaviours analyses, contrasting: a) the experimental sub-group versus control conditions at the final term stage, and b) responses to the baseline versus final term surveys in order to explore any changes over time.

4.2.6.1.1 Experimental versus control conditions

A series of paired t-tests revealed no differences at all between the experimental sub-group versus the control group in terms of likelihood of engagement with the 23 different energy saving behaviours.

Supporting this, analysis of the mean scores for the 23 items when collapsed and treated as a scale measure also revealed no significant differences between the experimental sub-group and control conditions in overall likelihood of engagement at the final term stage: $M's = 4.18$ vs. 4.05 respectively, $t(39) = .65$, $p = .52$.

4.2.6.1.2 Baseline versus final term surveys

Frequency of engagement with the energy saving behaviours was then compared between the baseline and final term surveys, in order to determine whether there had been any change in likelihood of engagement over time according to condition.

A repeated measures ANOVA revealed no main effect of time on likelihood of engaging with the energy saving behaviours: $F(1,36) = 3.12$, $p = .09$, $\eta^2 = .08$, and no interaction between time and condition: $F(1,36) = .97$, $p = .33$, $\eta^2 = .03$.

A series of paired t-tests were then conducted to explore any change in engagement with the individual items over time for the experimental sub-group. Results revealed a significant difference in likelihood of engagement in 1/23 behaviours, as follows:

Item 22: 'I use energy saving modes on my appliances', $t(20) = 2.50$, $p = .02$. In line with predictions, a significant increase in likelihood of engagement in this behaviour was found in the final term versus baseline surveys ($M's = 4.38$ vs. 3.90 respectively). However, paralleling earlier main analysis, given this effect was only found for 1/23 possible behaviours, it is not possible to draw inference from this regarding the overall effectiveness of the intervention in inciting behaviour change over time. Indeed, as before, when looking at the scale as a whole, no differences were found in likelihood of engagement over time, or according to experimental condition.

4.2.6.2 Self-reported energy saving behaviours (Questions 8, 9, 10 and 11)

Items 8 – 11 were designed to provide an additional self-report measure of changes in energy saving behaviours over the last 3 months, as follows:

- Q8. During the last 3 months, compared to normally at this time of year, would you say that you have heated your home...
- Q9. During the last 3 months, compared to normally at this time of year, would you say that you have set your thermostat to...
- Q10. During the last 3 months, compared to normally at this time of year, would you say that you have set your living room radiator to...
- Q11. During the last 3 months, compared to normally at this time of year, would you say that you have set your main bedroom radiator to...

T-tests revealed a significant difference between the experimental sub-group and control conditions for two of these items; Q10 ($t(37) = 2.18, p = .04$), and Q11 ($t(25) = 2.80, p = .01$). In both cases, participants were significantly more likely to report engaging in the energy saving behaviour in the experimental versus control condition (Q10 M s = 2.16 vs. 1.80, Q11 M 's = 2.50 vs. 1.85 respectively). No differences were found between conditions for Q's 8 or 9.

When comparing response to these items on mid-term vs. final term surveys, paired t-tests revealed a marginal differences in response for Q10: $t(25) = 2.00, p = .06$. However, in contrast to predictions, participants were found to be marginally more likely to state they have set their living room radiator to a lower temperature than normal at the midterm versus final term stage (M s = 2.12 vs. 1.88 respectively). However, as this result is marginal, interpretation of results should be treated with caution. No differences were found between the mid-term and final term stages for Q's 8, 9 or 11.

4.2.6.3 Energy awareness

The following subsections present the energy awareness analyses, contrasting: a) the experimental sub-group versus control conditions at the final term stage, and b) baseline versus final term responses for the experimental sub-group.

4.2.6.3.1 Experimental versus control conditions

Statistical analysis revealed no significant difference between the experimental and control conditions any of the 9 energy awareness items.

When the items were collapsed and treated as a scale, there was also no evidence for any impact of the experimental manipulation on energy awareness at the final term stage: $t(39) = -1.09, p = .28$. Participants were equally likely to agree with statements such as 'I often think about how I could save energy' and 'I can easily imagine how much energy my home uses' when treated as a scale in the experimental ($M = 3.45$) versus control ($M = 3.69$) conditions.

4.2.6.3.2 Baseline versus final term surveys

Statistical analysis was then carried out on the same items for the baseline versus final term survey, in order to determine if there were any changes in energy awareness over time. A significant difference was found for 2/9 items over time, as follows:

Paralleling earlier analyses using the whole data set, a significant difference in response was found for energy understanding over time, in response to the question: 'I don't understand how my home uses energy', $t(36) = 2.36, p = .02$. Once again, participants were found to be more likely to disagree with this statement at the final term versus baseline stages (M s = 3.65 versus 3.14 respectively), again indicating that participants' energy understanding may have increased over time.

In addition, a significant difference was also found for one of the six items for perceptions and motivations of energy use, as follows: 'I am prepared to save energy with the right support': $t(37) = -1.99$, $p = .05$. However in contrast to predictions, participants were found to be significantly more likely to agree with this statement at the baseline versus final term stages ($M_s = 4.34$ versus 4.05 respectively), which appears to suggest subjects were more willing to save energy with the right support at the baseline versus final term stages.

No differences were found for any of the other energy awareness items over time when looking at either perceptions and motivations, perceived control, or social norms.

A repeated measures ANOVA was then conducted in order to assess whether there had been any change in overall energy awareness over time, when the items were collapsed and treated as a scale measure. Results indicated that there was no main effect of time (baseline vs. final term) on overall energy awareness: $F(1,36) = 2.21$, $p = .15$, $\eta^2 = .06$, and no interaction between time and condition: $F(1,36) = 1.61$, $p = .21$, $\eta^2 = .04$. Results are displayed in Figure 38.

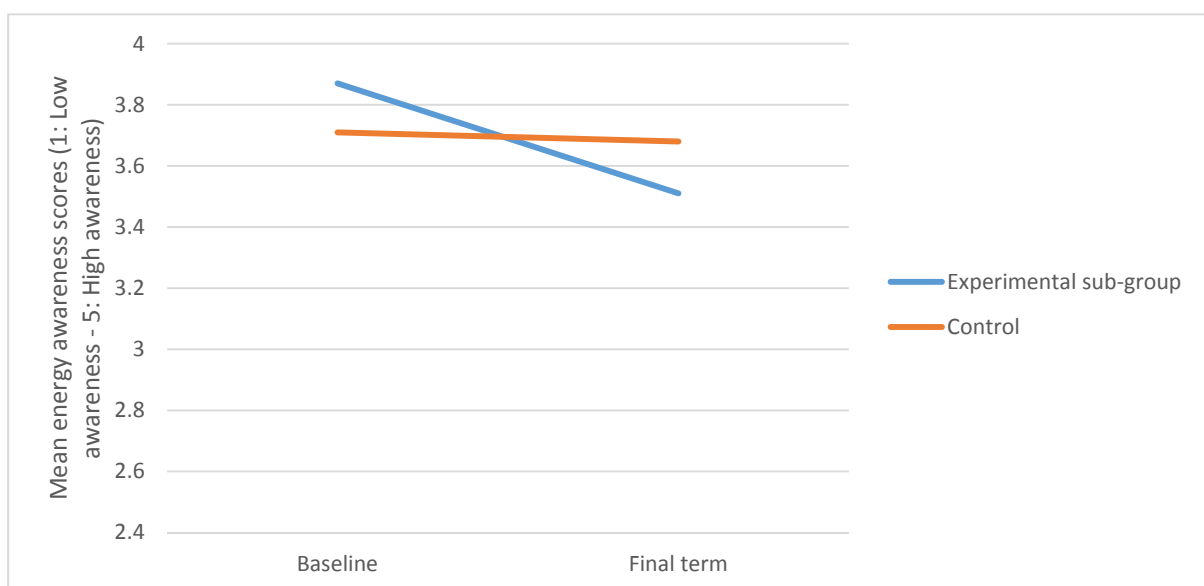


Figure 38. Line chart displaying mean energy awareness scores over time (baseline vs. final term) according to condition (experimental sub-group versus control).

Paired t-tests revealed no differences in overall energy awareness over time (baseline versus final term) for either the experimental sub-group or the control group.

4.3 Peak demand

As already anticipated in Section 4.1, energy reports (Appendix C) also include information related to the daily electricity peak demand (Figure 5). Daily home peak demands are characterised in terms of power and time according to the 10 day baseline method (Figure

39) and the 3 top 10 day baseline method (Figure 40). Blue bars represent the maximum power demanded by the house measured in kW and the black line shows the time where this demand is registered. A grey vertical line clearly indicates when the baseline reporting period finishes and when the reporting period starts.

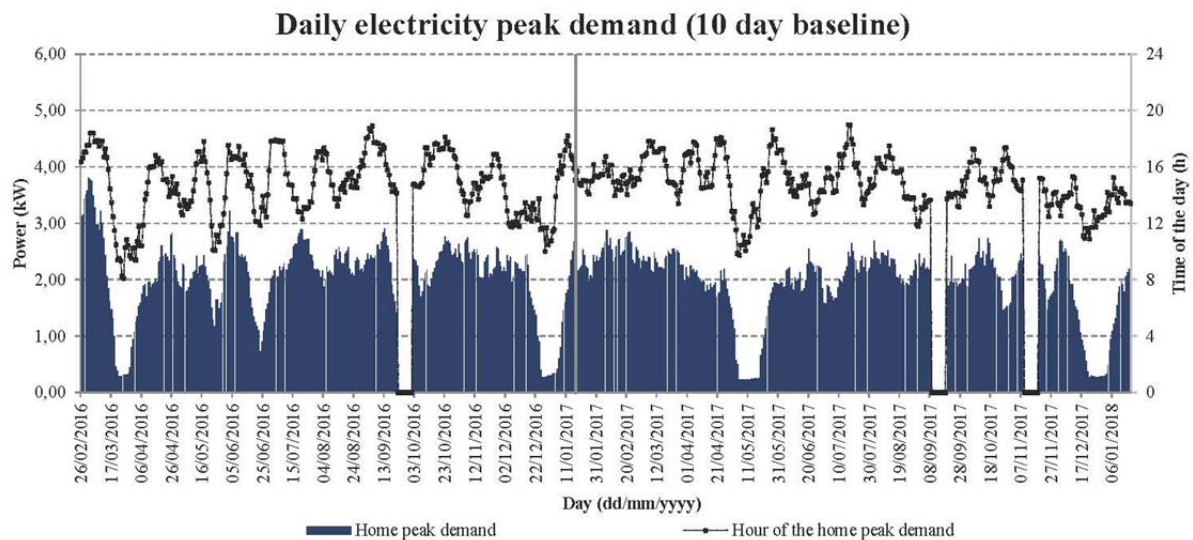


Figure 39. Daily electricity peak demand for house EA #58 according to the 10 day baseline method during the baseline and the final reporting periods.

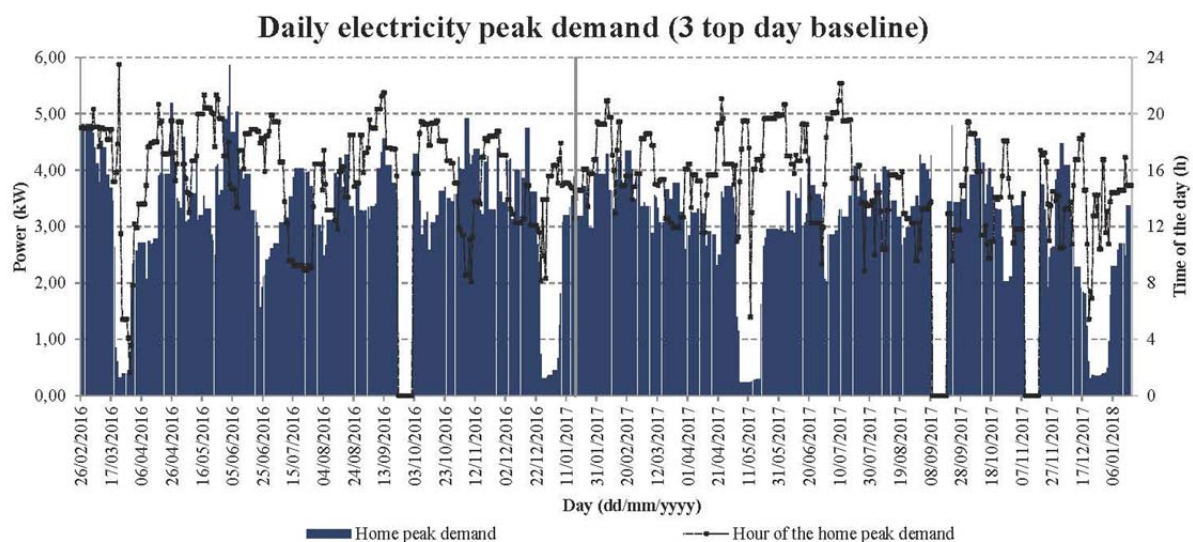


Figure 40. Daily electricity peak demand for house EA #58 according to the 3 top 10 day baseline method during the baseline and the final reporting periods.

Figure 41 shows the average home peak demand (kW) for the baseline period calculated using the 10 day baseline method (represented with a small cross) and the 3 top 10 day baseline method (represented with a small dot). The graph also displays the average home peak demand (kW) for the midterm reporting period calculated using the 10 day baseline method (represented with an asterisk) and the 3 top 10 day baseline method (represented with a small square). They are plotted together with corresponding values for the whole reporting period. In this case, average home peak demand (kW) using the 10 day baseline method is represented with a triangle and the same value calculated using 3 top 10 day baseline approach is represented with a + symbol. The UK electricity grid demand profile and the network peak period are also displayed in this graph. Thus, the home peak demand in both the baseline period and the midterm and final reporting periods can be easily compared to the UK network profile.

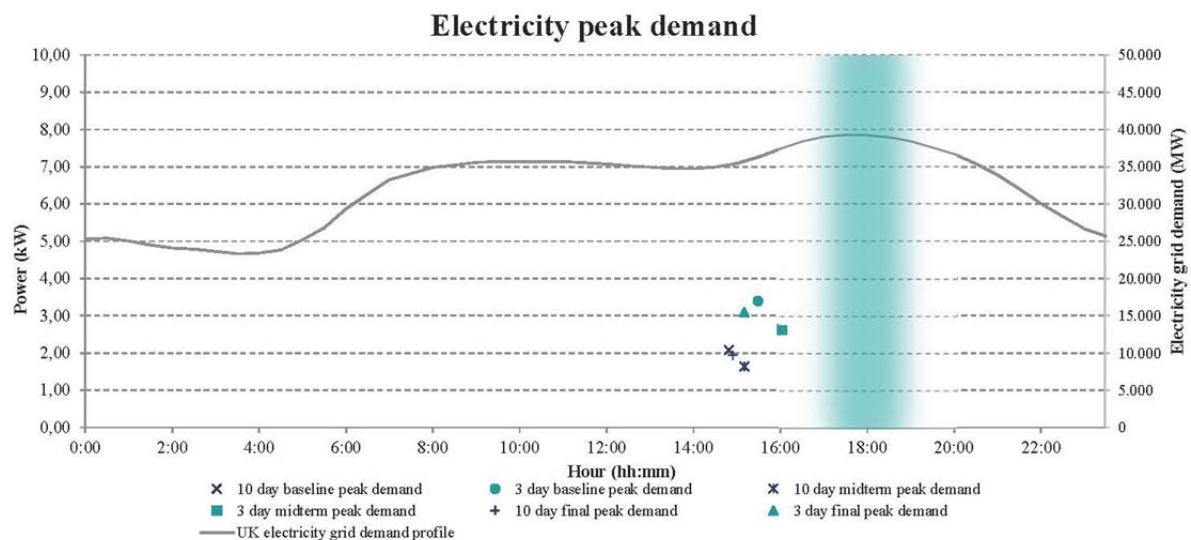


Figure 41. Average electricity peak demand for house EA #58 for the baseline and the reporting periods.

The average home electricity peak demand and the average power demand at the network peak period (between 17:00 and 19:00 in UK for all the houses partaking in the experimentation is described in Deliverable 5.2 for the baseline period and in Deliverable 5.3 for the midterm reporting period. Calculations were carried out according to both the 10 day baseline and the 3 top 10 baseline methods (see Deliverable 5.1 for more information).

The following tables summarise the corresponding information related to the whole reporting period. A slash means no data were available to calculate the corresponding information.



	Home peak demand				Average power demand at the network peak period	
	10 day baseline		3 top 10 day baseline			
	Power (kW)	Hour (h min)	Power (kW)	Hour (h min)	Power (kW)	Hour (h min)
Experimental group (N=35)						
EA #006	4.13	3 h 27 min	4.97	4 h 26 min	1.02	17 h 00 min - 19 h 00 min
EA #007	4.92	12 h 45 min	8.36	11 h 23 min	0.84	17 h 00 min - 19 h 00 min
EA #008	2.10	14 h 21 min	3.55	12 h 15 min	0.67	17 h 00 min - 19 h 00 min
EA #009	4.44	15 h 42 min	6.46	15 h 57 min	2.00	17 h 00 min - 19 h 00 min
EA #011	1.68	16 h 7 min	3.02	17 h 3 min	0.62	17 h 00 min - 19 h 00 min
EA #013	3.54	5 h 52 min	4.96	8 h 57 min	0.45	17 h 00 min - 19 h 00 min
EA #015	4.20	10 h 11 min	5.64	11 h 43 min	0.90	17 h 00 min - 19 h 00 min
EA #016	4.77	13 h 9 min	6.37	12 h 56 min	1.69	17 h 00 min - 19 h 00 min
EA #019	2.40	16 h 0 min	5.48	15 h 11 min	0.12	17 h 00 min - 19 h 00 min
EA #021	6.64	15 h 32 min	9.39	18 h 5 min	1.93	17 h 00 min - 19 h 00 min
EA #022	1.53	12 h 27 min	3.70	13 h 42 min	0.18	17 h 00 min - 19 h 00 min
EA #025	6.15	15 h 21 min	9.13	16 h 35 min	0.93	17 h 00 min - 19 h 00 min
EA #027	3.55	11 h 44 min	5.24	9 h 50 min	0.71	17 h 00 min - 19 h 00 min
EA #029	2.01	16 h 35 min	3.31	17 h 57 min	0.51	17 h 00 min - 19 h 00 min
EA #032	1.65	15 h 28 min	2.87	14 h 23 min	0.64	17 h 00 min - 19 h 00 min
EA #033	4.42	14 h 30 min	6.59	14 h 40 min	1.46	17 h 00 min - 19 h 00 min
EA #037	3.54	12 h 28 min	5.54	11 h 4 min	1.06	17 h 00 min - 19 h 00 min
EA #040	2.32	14 h 51 min	3.69	17 h 35 min	0.92	17 h 00 min - 19 h 00 min
EA #042	2.16	15 h 36 min	3.90	16 h 46 min	0.79	17 h 00 min - 19 h 00 min
EA #043	2.52	14 h 18 min	4.04	13 h 58 min	1.05	17 h 00 min - 19 h 00 min
EA #044	2.38	14 h 17 min	3.60	15 h 4 min	0.82	17 h 00 min - 19 h 00 min
EA #046	3.87	17 h 47 min	6.12	18 h 15 min	0.86	17 h 00 min - 19 h 00 min

	Home peak demand				Average power demand at the network peak period	
	10 day baseline		3 top 10 day baseline			
	Power (kW)	Hour (h min)	Power (kW)	Hour (h min)	Power (kW)	Hour (h min)
EA #049	1.14	17 h 54 min	1.79	19 h 21 min	0.51	17 h 00 min - 19 h 00 min
EA #050	1.39	15 h 24 min	2.04	16 h 21 min	0.55	17 h 00 min - 19 h 00 min
EA #052	3.77	10 h 46 min	5.94	10 h 56 min	0.36	17 h 00 min - 19 h 00 min
EA #054	5.68	16 h 8 min	7.11	16 h 23 min	2.07	17 h 00 min - 19 h 00 min
EA #056	3.49	13 h 57 min	5.02	14 h 19 min	1.23	17 h 00 min - 19 h 00 min
EA #057	1.86	15 h 20 min	2.80	14 h 50 min	0.97	17 h 00 min - 19 h 00 min
EA #058	1.94	14 h 54 min	3.10	15 h 10 min	0.76	17 h 00 min - 19 h 00 min
EA #063	1.46	18 h 2 min	2.24	17 h 36 min	0.55	17 h 00 min - 19 h 00 min
EA #069	2.78	15 h 55 min	3.92	16 h 29 min	1.18	17 h 00 min - 19 h 00 min
EA #072	7.06	13 h 23 min	9.21	14 h 58 min	0.89	17 h 00 min - 19 h 00 min
EA #076	3.09	16 h 54 min	5.24	18 h 6 min	6.68	17 h 00 min - 19 h 00 min
EA #080	2.87	14 h 20 min	4.09	16 h 27 min	0.85	17 h 00 min - 19 h 00 min
EA #088	5.33	15 h 24 min	8.45	14 h 37 min	1.26	17 h 00 min - 19 h 00 min

Table 8. Average home peak demand and power demand at the network peak period for the houses in the experimental group during the final reporting period.

	Home peak demand				Average power demand at the network peak period	
	10 day baseline		3 top 10 day baseline			
	Power (kW)	Hour (h min)	Power (kW)	Hour (h min)	Power (kW)	Hour (h min)
Control group (N=16)						
EA #003	1.13	15 h 54 min	2.09	14 h 58 min	0.32	17 h 00 min - 19 h 00 min
EA #004	1.62	12 h 56 min	2.24	14 h 12 min	0.36	17 h 00 min - 19 h 00 min
EA #014	6.44	11 h 9 min	8.44	10 h 55 min	1.56	17 h 00 min - 19 h 00 min
EA #023	4.63	15 h 2 min	8.41	14 h 9 min	1.19	17 h 00 min -

	Home peak demand				Average power demand at the network peak period	
	10 day baseline		3 top 10 day baseline		Power (kW)	Hour (h min)
	Power (kW)	Hour (h min)	Power (kW)	Hour (h min)		
Control group (N=16)						
						19 h 00 min
EA #028	2.07	15 h 4 min	3.02	14 h 24 min	0.74	17 h 00 min - 19 h 00 min
EA #034	2.87	17 h 23 min	4.23	17 h 53 min	1.83	17 h 00 min - 19 h 00 min
EA #035	2.62	15 h 4 min	3.56	15 h 18 min	0.95	17 h 00 min - 19 h 00 min
EA #039	5.29	7 h 6 min	6.93	6 h 54 min	0.83	17 h 00 min - 19 h 00 min
EA #045	1.75	14 h 9 min	2.29	15 h 46 min	0.60	17 h 00 min - 19 h 00 min
EA #051	1.55	12 h 54 min	2.74	14 h 17 min	0.51	17 h 00 min - 19 h 00 min
EA #059	4.59	8 h 11 min	5.59	8 h 17 min	1.25	17 h 00 min - 19 h 00 min
EA #061	2.05	15 h 32 min	3.62	14 h 24 min	0.89	17 h 00 min - 19 h 00 min
EA #074	3.94	16 h 35 min	6.30	16 h 38 min	1.34	17 h 00 min - 19 h 00 min
EA #077	1.35	15 h 6 min	1.92	13 h 53 min	1.09	17 h 00 min - 19 h 00 min
EA #083	1.83	18 h 38 min	2.70	19 h 13 min	0.68	17 h 00 min - 19 h 00 min
EA #086	7.76	13 h 50 min	12.73	15 h 49 min	0.43	17 h 00 min - 19 h 00 min

Table 9. Average home peak demand and power demand at the network peak period for the houses in the control group during the final reporting period.

Figures 42 and 43 show the average electricity peak demand for each house calculated with the 10 day baseline method and the 3 top 10 day approach, respectively, during the final reporting period. These graphs also show the UK electricity grid demand profile (grey line) and the network peak period (green band).

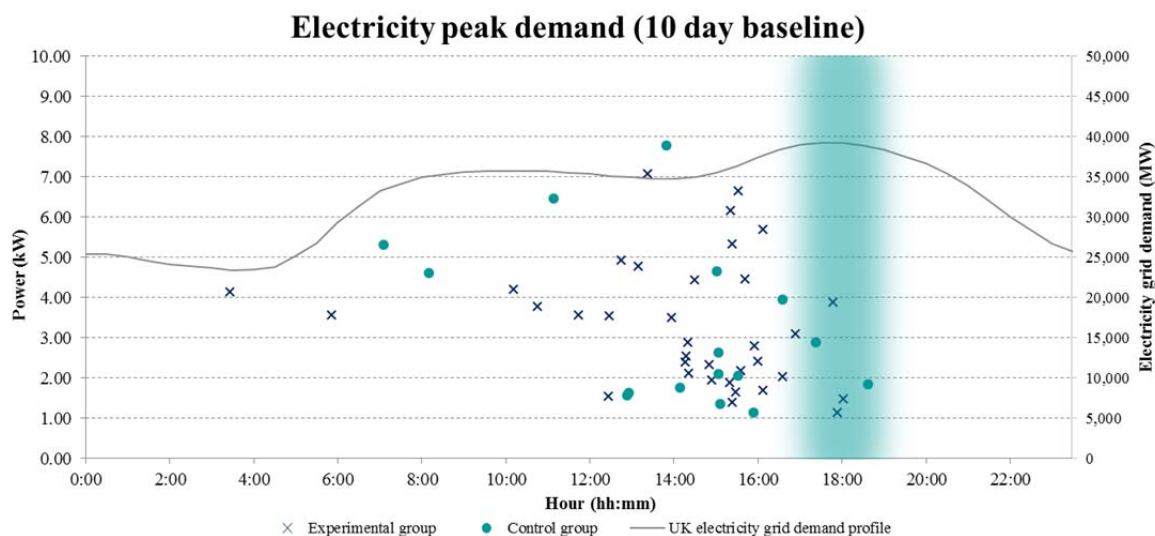


Figure 42. Average electricity peak demand for all the pilot houses according to the 10 day baseline method during the final reporting period.

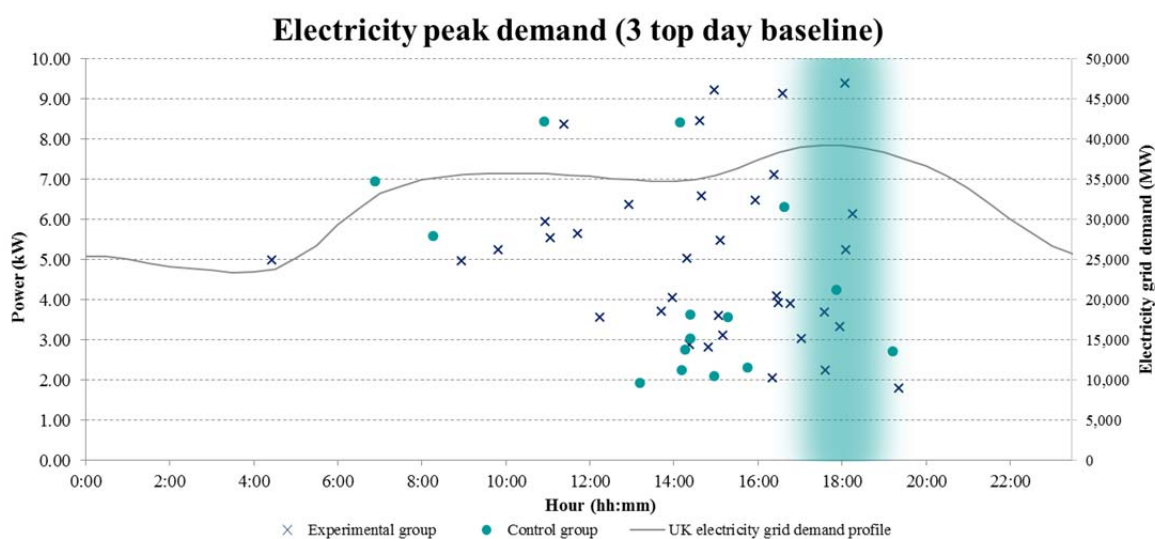


Figure 43. Average electricity peak demand for all the pilot houses according to the 3 top day baseline method during the final reporting period.

As anticipated in Deliverable 5.3 for the midterm reporting period, houses in the experimental group were not found to perform better as a result of engaging with the EnergyCat serious game in terms of peak demand, using both the 10 day baseline method (Table 10) and the 3 top 10 day baseline method (Table 11). Findings are corroborated when compared with average electricity peak demand during the baseline and the mid-term reporting periods

(Tables 10 and 11). The number of houses with the peak at the network peak hour has not diminished.

10 day baseline method						
	Average electricity peak demand [kWh]			Number of houses with the peak at the NP hour [ut]		
	Baseline period	Midterm reporting period	Final reporting period	Baseline period	Midterm reporting period	Final reporting period
Experimental group	3.38	3.31	3.34	2	2	3
Experimental subgroup 1	4.12	3.65	3.83	2	2	2
Experimental subgroup 2	3.64	3.37	3.42	0	0	0
Control group	4.95	3.65	3.22	2	3	2

Table 10. Average electricity peak demand for all the pilot houses according to the 10 day baseline method during the baseline, the midterm and the final reporting periods.

3 top 10 day baseline method						
	Average electricity peak demand [kWh]			Number of houses with the peak at the NP hour [ut]		
	Baseline period	Midterm reporting period	Final reporting period	Baseline period	Midterm reporting period	Final reporting period
Experimental group	5.00	5.02	5.05	7	9	7
Experimental subgroup 1	5.90	5.43	5.61	3	2	3
Experimental subgroup 2	5.31	5.17	5.12	0	1	0
Control group	4.70	5.37	4.80	5	3	1

Table 11. Average electricity peak demand for all the pilot houses according to the 3 top 10 day baseline method during the baseline, the midterm and the final reporting periods.

During the final reporting period, the average power demand at the network peak hour of the houses in the experimental group was found to be 1.09 kWh and that of the houses in the control group was 0.91 kWh. The average power demand at the network peak hour of the houses in the experimental group was found to be 0.97 kWh during the baseline period and 0.98 kWh during the mid-term reporting period.

Therefore, no changes in the electrical energy consumption distribution during the day could be identified after the implementation of the EnergyCat serious game in the social housing pilot. Future interventions should explicitly address the reduction of the average home electricity peak demand and the average power demand at the network peak period.

4.4 IT Literacy

To measure IT literacy respondents were asked how confident they felt using a computer and the internet. Results are displayed in Figures 44–45.

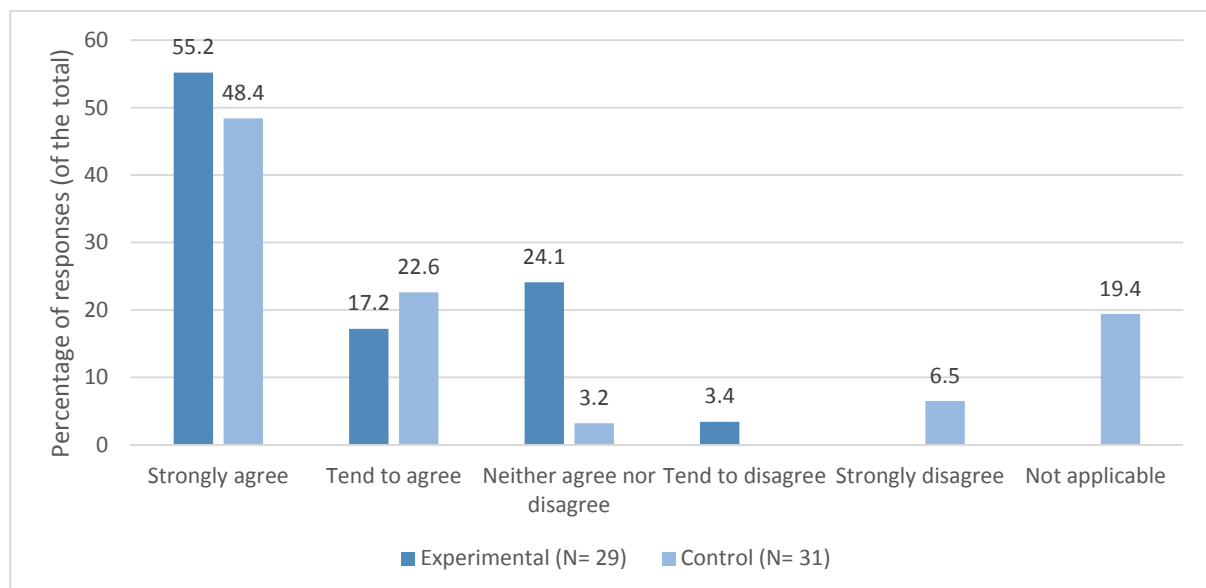


Figure 44. Bar chart displaying response to the statement: 'I feel confident using a computer' (experimental vs. control at final term stage).

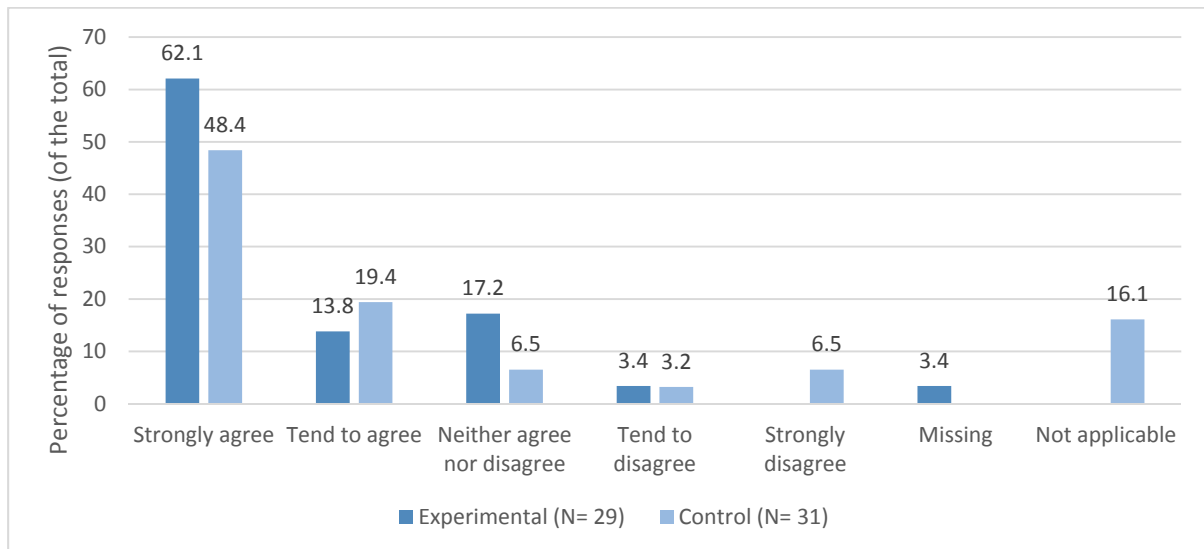


Figure 45. Bar chart displaying response to the statement: 'I feel confident using the internet' (experimental vs. control at final term stage).

Statistical analysis no significant differences between responses in the experimental and control group for either statement at the final term stage.

Furthermore, no significant differences were found between the responses at baseline and final term stages for either the experimental or control groups. Respondents felt similarly confident using a computer and the internet at the baseline and final term stages across condition.

4.4.1 IT literacy tablet

Statistical analysis revealed a significant difference in the proportion of subjects who used their tablet across conditions: $t(57) = -3.30$, $p = .002$. Subjects were more likely to state that they had used the tablet in the experimental (89.7%) vs. control (51.6%) conditions.

Subjects were also asked to rate their confidence using the tablet. Statistical analysis revealed no difference in response across condition: $t(43) = .59$, $p = .56$. Subjects were just as likely to state they were confident using the tablet in the experimental vs. control conditions (M 's = 1.65 vs. 1.47 respectively). Results are displayed in Figure 46.

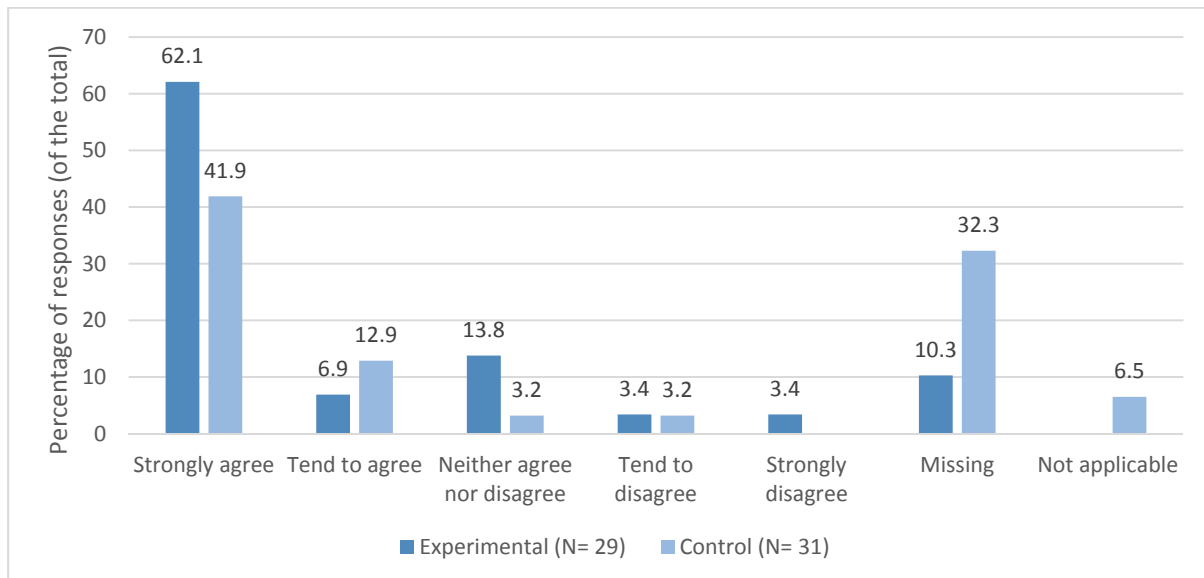


Figure 46. Bar chart displaying response to the statement: 'I feel confident using the tablet (experimental vs. control at final term stage).

In addition, statistical analysis revealed no changes in response to this question over time, when comparing the midterm and final term surveys: $t(21) = 1.10$, $p = .29$. Subjects were just as likely to state they were confident using the tablet at the midterm versus final term stages (M 's = 1.81 vs. 1.57 respectively).

Respondents were asked about their usage of the tablet with a series of questions. These responses are summarised in Figure 47 on the next page for respondents who indicated that they had used the tablet ($N = 42$). These are the responses for the experimental and control group combined as statistical analysis revealed no significant differences between the two groups.

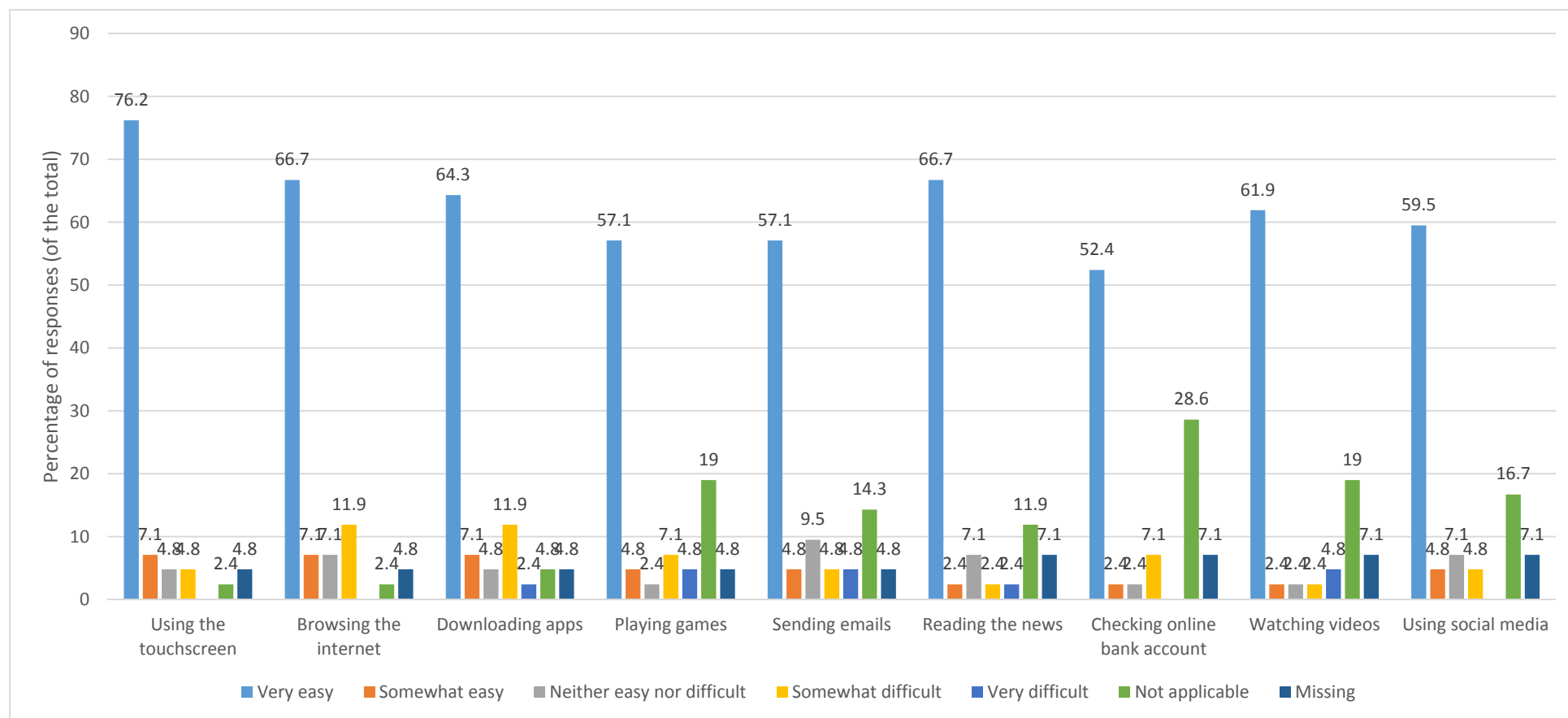


Figure 47. Responses to the items measuring tablet usage (N = 42).

For the respondents who had used the tablet, the following was also found:

- The majority did not feel more confident about their reading or writing skills, as indicated by 57.5% indicating 'not at all' or 'a little bit' to the statement 'the tablet has made me more confident about my reading and writing skills'.
- The majority did not feel more confident about their number skills, as indicated by 55% indicating 'not at all' or 'a little bit' to the statement 'the tablet has made me more confident about my number skills'.
- About 1/3 of the respondents felt that the tablet helped them feel more connected and motivated to learn new things. As indicated by 33.3% indicating 'quite a bit' or 'a lot' to the statement 'the tablet has made me feel more connected', and the same percentage indicating 'quite a bit' or 'a lot' to the statement 'the tablet has made me motivated to learn new things'.
- Paired samples t-tests revealed there were no significant differences over time for any of these questions on confidence in reading, writing, number skills, or connectedness when comparing responses to the midterm and final term surveys.

5. Independent variables

5.1 Socio-economic characteristics and health

The following subsections provide the information needed for determining the baseline in terms of age, gender employment status, qualifications and health of the Household Representative Person, family structure and welfare benefits.

5.1.1 Age of the household representative person

Respondents in the experimental group had a mean age of 57 (SD = 15.47); in the control group the mean age was 58 (SD = 15.72). As can be seen in Figure 48, the majority of respondents in the experimental (76%) and control group (68%) were 45 years of age or over. Most householders in the experimental group fell into the 45-54 (24.10%) and 65-74 (24.10%) age categories, while most householders in the control group fell in the 65-74 (25.80%) age category.

Statistical analysis revealed no significant differences between the experimental and control group. Responses were not compared between the baseline and mid-term survey as this would not be a meaningful comparison for HRP age.

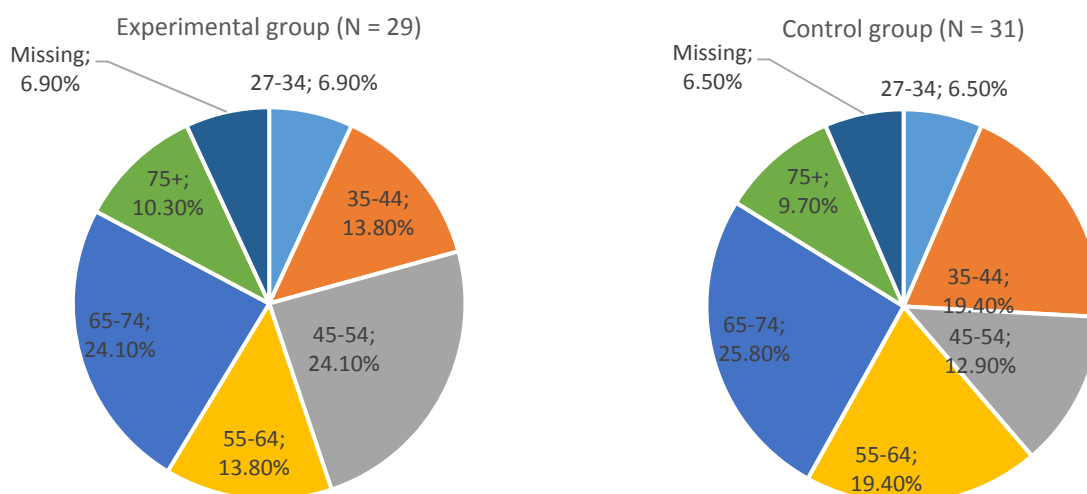


Figure 48. Percentage of respondents (of the total) in each age category.

5.1.2 Gender of the household representative person

Out of the 29 householders in the experimental group, 14 (48.3%) were male and 14 (48.3%) were female, 1 (3.4%) system missing. Out of the 31 householders in the control group, 15 (48.4%) were male and 13 (41.9%) were female, with 3 (9.7%) system missing. Statistical analyses revealed no significant difference between the experimental and control group. Responses were not compared between the baseline and mid-term survey as this would not be a meaningful comparison for HRP gender.

5.1.3 Family structure

In the experimental group, 6 householders (20.7%) lived on their own, this was the case for 13 householders (41.9%) in the control group. In total, 20 respondents in the experimental (68.96%) and 13 respondents in the control group (41.93%) provided age and gender information on the other members of their household. No differences were found between the baseline and final term stages for the experimental or control group. 9 householders (34.5%) in the experimental group and 8 householders (25.8%) in the control group lived with one other person. Householders living with one other person mainly reported living with one other adult (Figure 49).

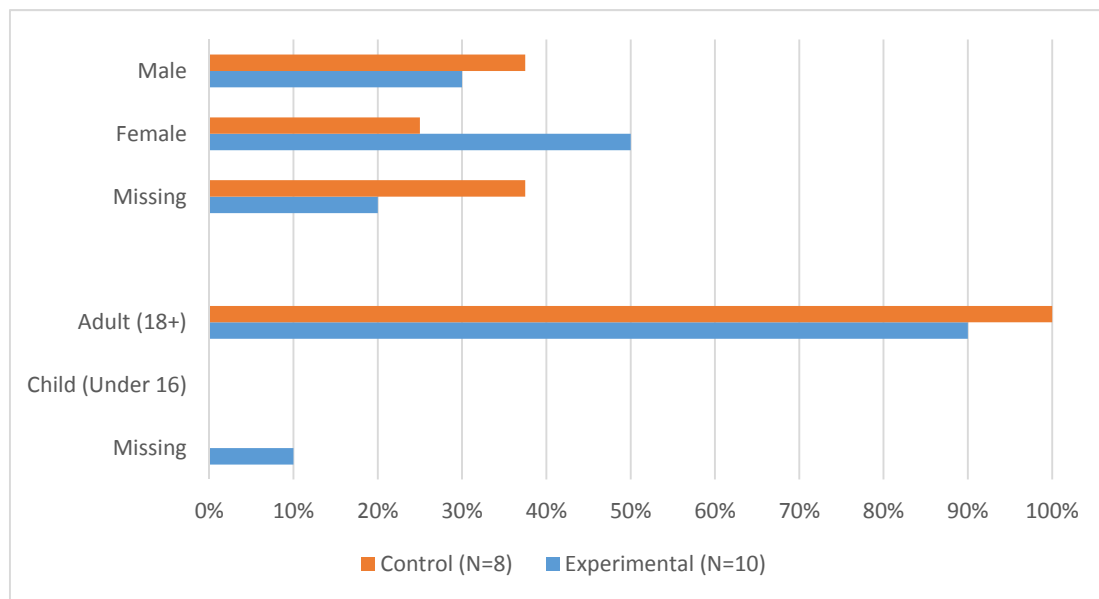


Figure 49. Responses to the question “who is living with you” for 2-person households.
 Numbers represent percentage from the total.

Four respondents in the experimental group (13.8%) and two respondents in the control group (6.5%) reported living with two other people. In the experimental group, one of these respondents (75%) reported living with one adult and one child under 16, whilst the same was found for one of the two households in the control group. The remaining household in the experimental group reported living with two children under 16, whilst the remaining household in the control group reported living with two adults.

Five respondents in the experimental group (17.2%) and two respondents in the control group (6.5%) reported living with three other people. In the experimental group, all householders who provided a response to the age of the other household members (four out of five) reported living with one adult and two children under 16. Of the two respondents in the control group who reported living with three other people, only one provided data on the age of the other household members. This person reported living with one adult and two children under 16. A small number of respondents reported living with more than three other people. In the control group, 1 person (3.2%) reported living with four other people; one adult and three children under 16, whilst In the experimental group, 1 person (3.4%) reported living with 5 other people; four adults and one child under 16.

5.1.4 Employment status of the household representative person and other family members

As Figure 50 shows, most of the household representative subjects in both the experimental and control conditions were retired or employed. Statistical analysis revealed no differences in response between the experimental and control groups. Further, there were no differences in response between the baseline and final term stages.

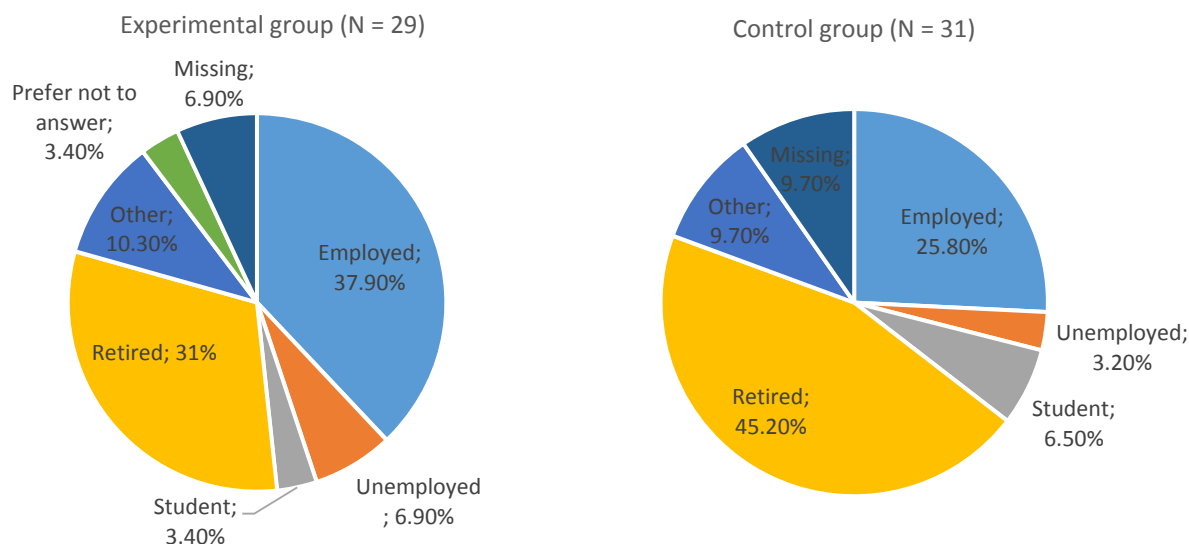


Figure 50. Percentage of respondents (of the total) in each employment category.

The household representative person was asked to report the employment status of other household members; the responses are summarised in Table 12.

How many people in your household are...	Number of responses in each category	
	Experimental group	Control group
Employed	12	9
Unemployed	2	2
Seeking work	0	0
Student	4	2
Retired	7	1
Other	1	4
Prefer not to answer	0	0

Table 12. Employment status of other members of the household.

5.1.5 Qualifications of the household representative person

As Figure 51 shows, the largest category of response for the experimental group was O'level, GCSE, NVQ level 2 or equivalent² (31%), whilst for the control group the largest categories of response were A'Level, NVQ level 3 or equivalent³ (16.1%) and another kind of qualification (16.1%).

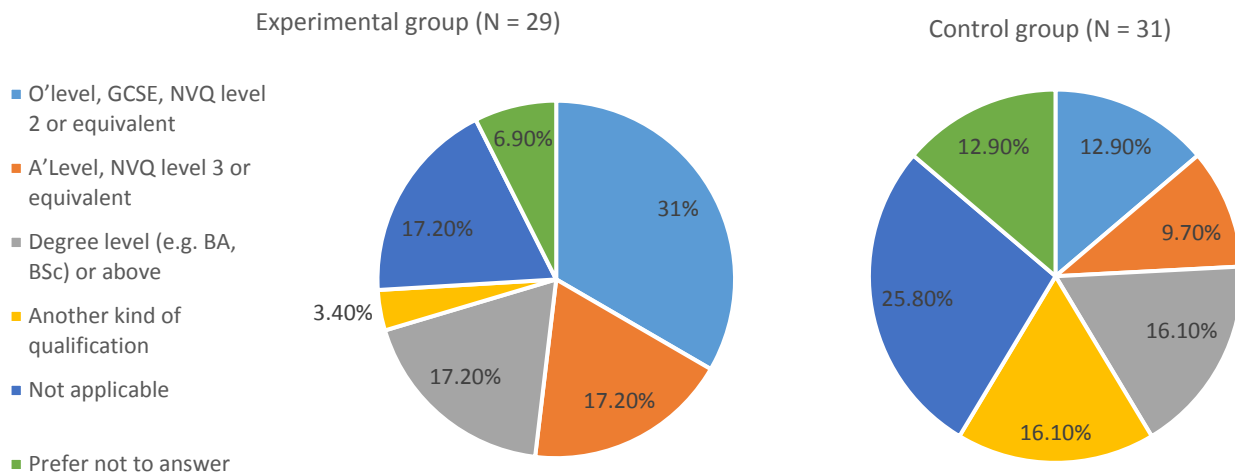


Figure 51. Percentage of respondents (of the total) in each qualification category.

Statistical analyses revealed a significant difference between the experimental and control conditions: $t(54) = -2.174$, $p = .03$. This parallels the results of the baseline survey, which also found a significant difference between the experimental and control conditions: $t(75) = -2.36$, $p = .02$. In both cases, the majority of household representatives (65.4%) had received formal qualification ranging from O'Level or equivalent to degree level or above, in contrast to 38.7% of subjects in the control condition. No differences were found between responses at the baseline and final term stages.

5.1.6 Welfare benefits

Out of the 29 householders in the experimental group, 34.5% percent selected 'yes' to the question whether they or members of their household were in receipt of welfare benefits, such as unemployment allowance or housing benefit. Out of the 31 householders in the control group, 45.2% selected 'yes' to this question.

² O'level (Ordinary Level), GCSE (General Certificate of Secondary Education), and NVQ (National Vocational Qualification) Level 2, are academic and work-based qualifications up to the age of 16 years old.

³ A'Level (General Certificate of Education Advanced Level) is awarded to students completing secondary or pre-university education. NVQ (National Vocational Qualification) Level 3, is the equivalent work-based qualification.

Statistical analysis revealed there were no differences in response to this question between the experimental and control conditions at the final term stage, and no differences in response between the baseline and final term surveys.

5.1.7 Health of the household representative person

As Figure 52 shows, the majority of respondents in the experimental group rated their health as either 'very good' (17.20%) or 'good' (34.5%) over the last two months, whilst in the control condition, the largest proportion of respondents rated their health as 'fair' (29%).

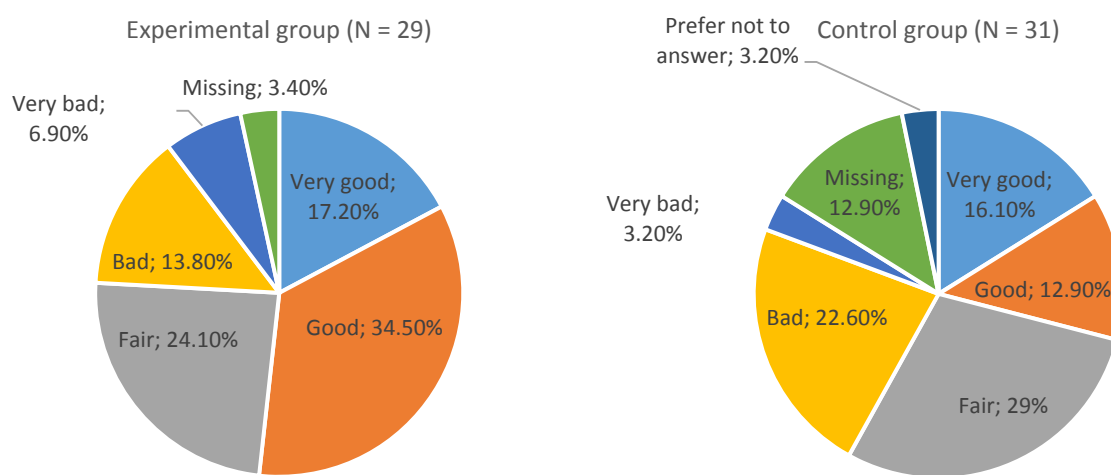


Figure 52. Responses to the question 'how was your health in general in the last 2 months' (percentage of the total).

Statistical analysis revealed no significant differences between conditions at the final term stage. There were also no differences in self-reported health when comparing the baseline and final term surveys, or the midterm and final term surveys, for either the experimental or control conditions.

Twenty-three respondents in the experimental condition, and twenty-one in the control condition provided an answer to the question 'how many times have you visited your General Practice (GP) surgery in the last 12 months'. On average, householders visited their GP 4.48 times in the last 12 months in the experimental group (SD = 3.06) and 6.81 times in the control group (SD = 10.95). However, further exploratory analysis performed on this group identified one outlier; who reported visiting the GP 50 times – significantly increasing the mean number of visits to the GP for this group. Removing this householder from analysis resulted in a similar pattern of results to the experimental group, with householders reporting to have visited their GP an average of 4.65 times over the last 12 months (SD = 4.82). Statistical analysis revealed no differences in response to this question between the

experimental and control conditions, and no differences between the baseline and final term surveys.

Out of the 29 householders in the experimental group, 37.9% percent selected 'yes' to the question of whether they considered themselves to have a disability. Out of the 31 householders in the control group, 45.2% selected 'yes' to this question. A further 31% of respondents in the experimental group, and 12.9% of respondents in the control group, stated that another member of their household had a disability. Statistical analysis revealed no differences between the experimental and control conditions in response to this question. Furthermore, no significant differences were found when comparing the baseline and final term surveys for either the experimental or control conditions.

5.2 Perceived physical comfort

The majority of respondents felt fairly or very satisfied with their home, with 86.2% of respondents in the experimental group, and 83.3% of respondents in the control group responding in this manner. Figure 53 shows the spread of response to the question 'How satisfied are you with your home?'

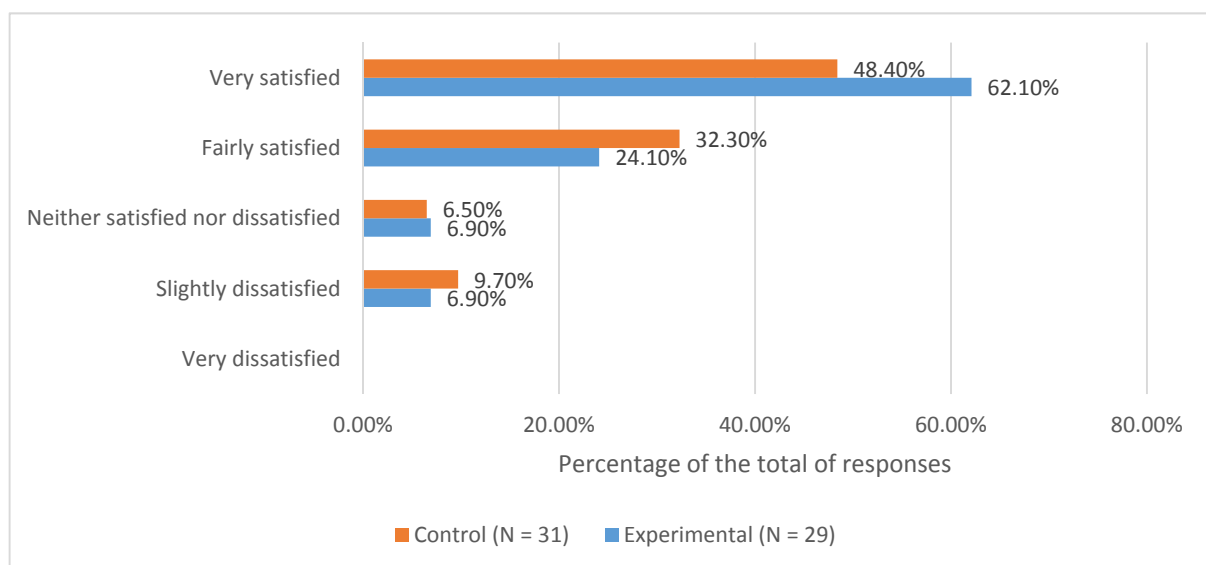


Figure 53. Responses to the question 'how satisfied are you with your home?' for the experimental and control group.

Statistical analysis revealed no significant difference in response between the experimental and control conditions. Furthermore, no significant differences were found over time when comparing responses to the baseline and final term surveys, for either the experimental or control conditions.

5.3 Usability and usefulness

Of the 29 experimental participants who completed the final term survey, $N=12$ (41.38%) stated that they had played the game EnergyCat. The EA codes for the experimental sub-group who played the EnergyCat game are displayed in Table 13 below.

Social houses in the experimental sub-group ($N=12$)	
EA#013	EA#060
EA#017	EA#065
EA#023	EA#067
EA#034	EA#069
EA#042	EA#076
EA#043	EA#079

Table 13. EA codes for social houses in the experimental sub-group.

In addition, we also asked the experimental participants whether they had looked at their household's energy consumption via the game or website. 4/29 participants (or 13.79%) stated they had done this. Of the remaining participants, $N=15$ (51.72%) stated they had not done so because they didn't know how, and the remainder said they had not done so for either 'other' reasons ($N=4$, or 13.79%) or because they weren't interested ($N=3$, or 10.34%). When asked if they were planning to continue using the EnergyCat game, 33.3% answered 'yes', 8.3% answered 'no', 8.3% answered 'don't know', and 50% did not respond.

With regard to usefulness, responses were mixed, as can be seen in Figure 54. Overall, the results suggest the following:

- Respondents were unsure whether the game had provided them with new information (16.7% answered 'agree' and 16.7% answered 'neither agree nor disagree' to this statement).
- Approximately $\frac{1}{4}$ of respondents agreed that the game helped them to learn what they could do to save energy, encouraged others in their home to think about their energy use, and made it fun to deal with energy use at home.

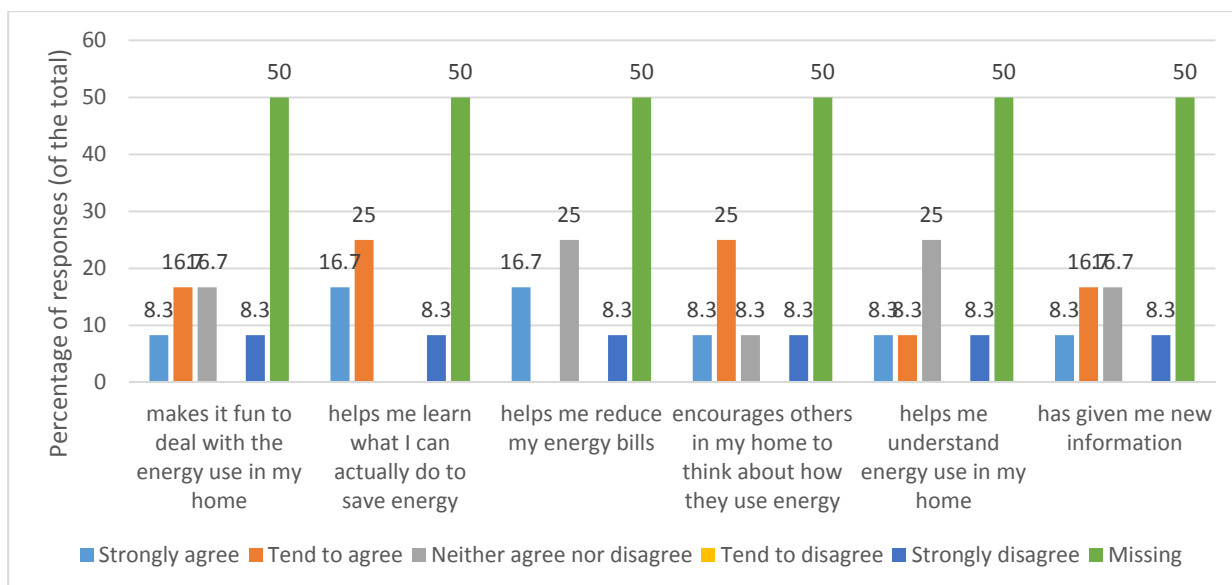


Figure 54. Responses to the questions measuring usefulness of the game (N = 12).

The usability of the game was then assessed using the SUS score. The usability refers to the ease with which the social tenants can interact with, and understand the serious game, to efficiently achieve their desired goals and actions, so it is focussed on the user specific experiences of operation of the serious game. The System Usability Scale (SUS) is a ten-item scale providing a global view of subjective usability (Brooke, 1996). From the SUS a usability score can be calculated, representing the overall usability of the system being studied.

According to Brooke (1996), a score of below 68 on the SUS scale may be regarded as below average in terms of usability. The average SUS score for the EnergyCat game was 57 (ranging between 25 and 85). However it should be noted that this is only based on 6 responses, as 12 respondents indicated playing the game and out of these, 6 respondents did not complete the full scale.

Table 14 below provides a summary of the SUS scores from the 6 subjects who completed the scale. Below average usability scores were found for all subjects who completed the scale, demonstrating the game was not generally found to be very user friendly across the 10 items.

SUS score (out of 100)	Total number of respondents
10	1
30	1
50	2
52.5	2

Table 14. Average SUS scores for experimental sub-group who completed the SUS scale (N= 6).

The responses to the questions that are part of the SUS scale provide further insight into the reported usability of the EnergyCat game. Results revealed high agreement with three statements (Figure 55):

1. 'The EnergyCat game is unnecessarily complicated' ($M=4.00$, $SD = 1.10$). 3 out of 6 respondents who completed the SUS scale responded 'strongly agree' to this statement.
2. 'I would need more support to be able to play the EnergyCat game' ($M=4.00$, $SD = 1.10$). Once again 3 out of 6 respondents who completed the SUS scale responded 'strongly agree' to this statement.
3. 'The EnergyCat game is very difficult to use' ($M=4.00$, $SD = 1.10$). Once again 3 out of 6 respondents who completed the SUS scale responded 'strongly agree' to this statement.

As such, it seems the perceived complexity of the game and lack of support may be key reasons why the game had limited impact in motivating positive behaviour change.

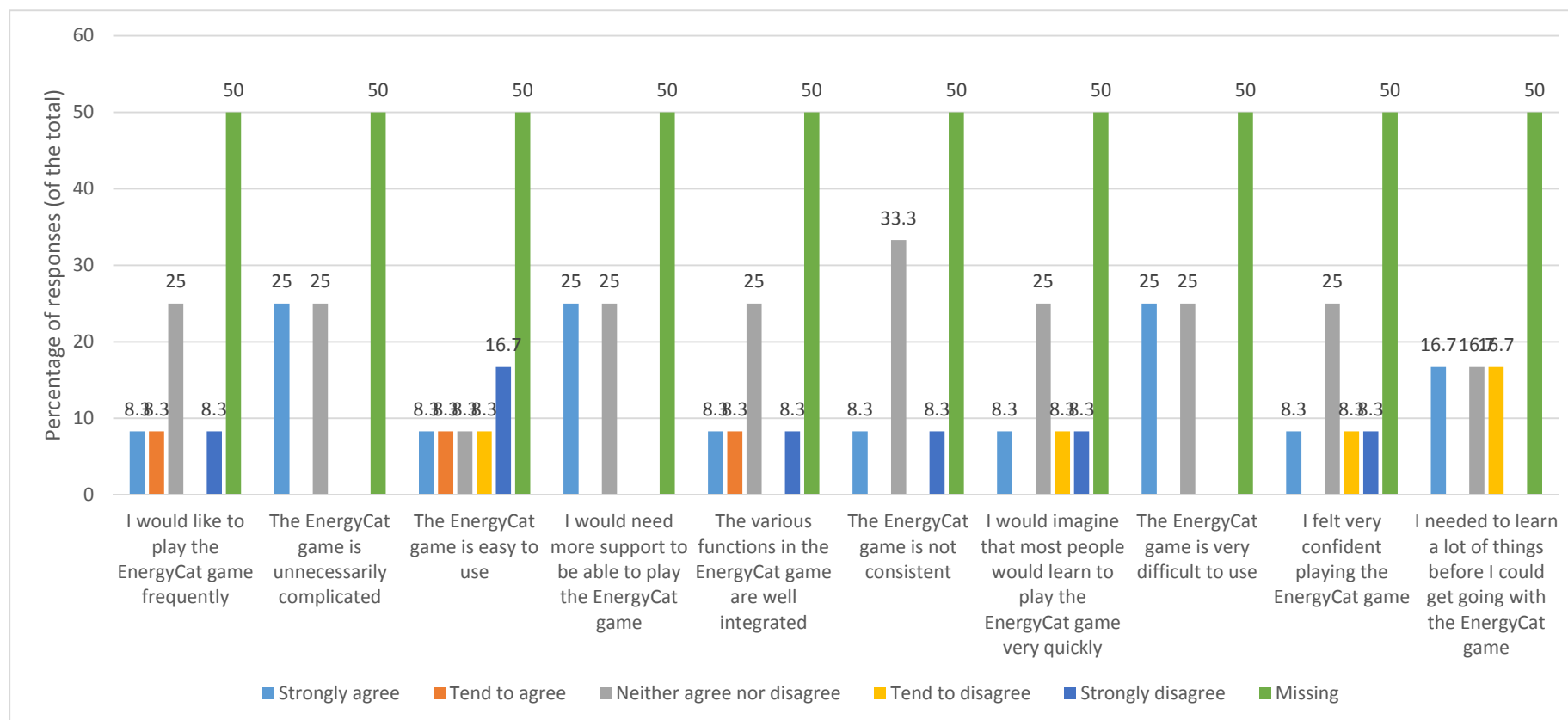


Figure 55. Responses to the SUS scale (N= 12).

6. Additional feedback on EnergyCat

The final evaluation survey also asked participants to rate which of 5 key factors would have encouraged them to play the EnergyCat game more. They were asked to consider the statement: 'I would have played the game more if...', and to rate the different reasons on a scale of 1 (strongly disagree), to 5 (strongly agree). Results revealed very high agreement with three statements: 'I understood what to do / if I had had better instructions' ($M=4.17$), 'It was more fun / interesting to play' ($M=4.17$), and 'It was better at teaching me things I can do to save energy' ($M=4.17$). 25% of subjects were found to state they 'strongly agreed' that they would have played more if each of these factors was improved. The results are displayed in Figure 56.

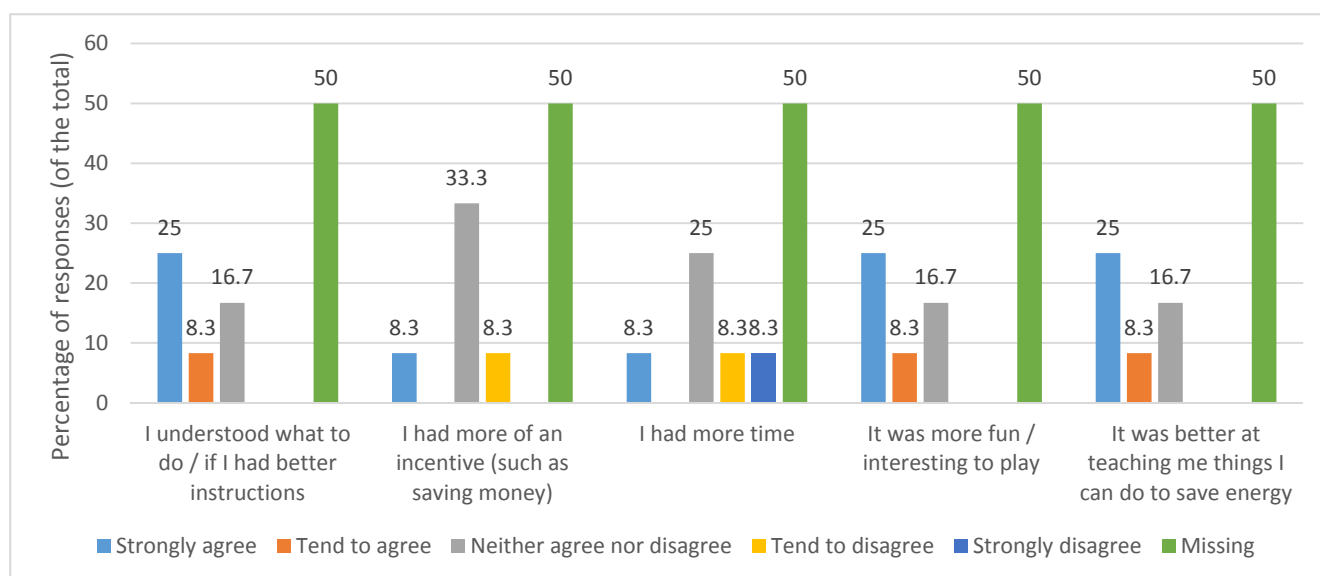


Figure 56. Bar chart displaying factors which could increase motivation to play EnergyCat for experimental sub-group (N = 12).

The high levels of agreement for each of these statements reaffirms our earlier finding that the perceived complexity of the game was a key reason for lack of engagement. In addition, the results suggest that the educational aspect of the game did not work as intended, with people stating they would have played more if the game had been more effective in teaching them about how to make energy savings. These issues should be addressed in the development of future interventions/future versions of the game.

In addition, we also asked subjects to consider the extent to which they perceived the game was linked to their behaviour in real life. Results revealed generally low agreement with the statement that 'There was a link between the game and my own behaviour in real life' ($M=2.33$), suggesting this element of the game was not effectively conveyed. Indeed, the most common category of response for this question was 'neither agree nor disagree', as

responded by 16.7% of householders. Only 1 household (8.3%) disagreed with this statement, whilst the remainder (75%) did not answer.

7. Psychological barriers to behaviour change

Given no notable differences were found when focusing on the whole data set vs. the sub-group of subjects who actually played EnergyCat in our analyses of the final term survey, we return to use of the whole data set for the next section of analyses. This section provides insight as to the main psychological barriers to behaviour change in the context of energy demand reduction. Participants in the final term survey were asked to rate the extent to which each of 11 potential reasons (based on current behaviour change literatures) prevented them from using less energy at home. These were presented as follows:

1. I don't know how to
2. Health reasons
3. Don't want to / not interested
4. No financial incentive
5. Hard to change my behaviour / habits
6. Don't want to feel cold or uncomfortable at home
7. No personal control over my household energy use
8. Already using very little
9. No-one else is doing it
10. Other members of my household aren't willing / able to
11. No interest from family / friends / neighbours

Subjects were asked to rate how much they agreed with each statement on a scale of 1 (*Strongly disagree*) – 5 (*Strongly agree*). The results are displayed in Figure 57.

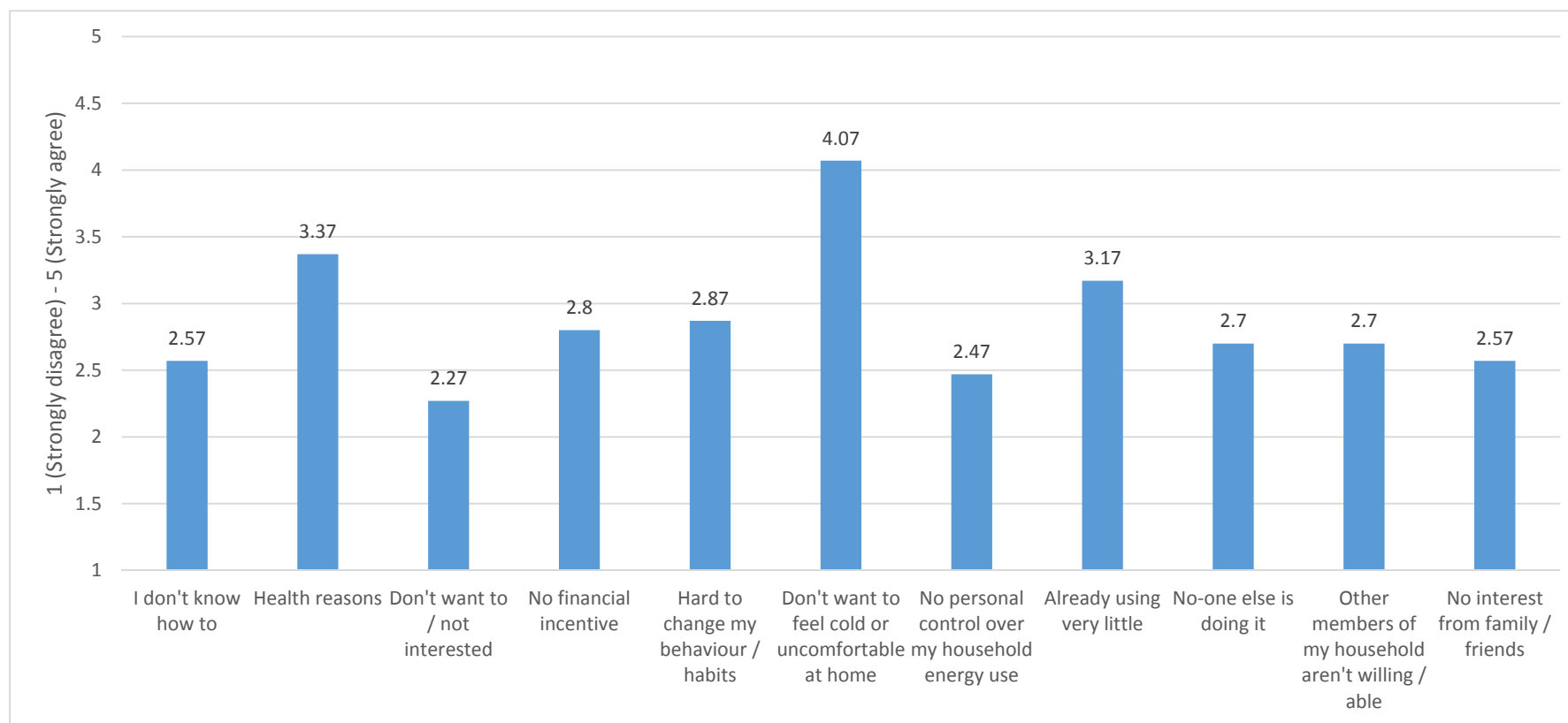


Figure 57. Bar chart displaying mean barriers to behaviour change scores.

A one-way repeated measures ANOVA revealed the barriers varied in importance: $F(10,290) = 5.41$, $p < .001$, $\eta^2 = .16$. Barrier 6 (I don't want to feel cold or uncomfortable at home), was significantly higher than all other barriers, suggesting this plays a vital role in explaining why subjects are not able to use less energy at home. In addition, barriers 2 (Health reasons) and 8 (Already using very little) were also rated as significantly more important than several other barriers, in both cases including 3 (Don't want to / not interested), and 6 (No personal control).

Item 3 (Don't want to / not interested) was also found to differ significantly from 3/11 barriers, in each case this factor was rated as significantly less important than the other reasons, suggesting lack of interest does not explain reduced efforts to use less energy for this population. Rather it appears that the main barriers to behaviour change centre around issues of comfort, health, and the fact that subjects were already consuming very little.

8. Feedback from focus group and interviews

In order to follow up on our findings, and gain some more comprehensive feedback from subjects on their perceptions of the EnerGAware project and EnergyCat game, a series of 20 one-on-one interviews, and one focus group session, were conducted in January 2018. The interview sessions were conducted with 13 subjects from the experimental condition, and 7 from the control condition. The focus group was conducted with 2 subjects from the experimental condition.

The main aim of these sessions was to provide an in-depth qualitative exploration of subjects' perceptions of the EnerGAware project itself, focusing on any changes in energy understanding or awareness, or engagement in energy behaviours as a result of taking part. We also asked subjects from the experimental condition to discuss their views on the EnergyCat game, in order to ascertain which aspects of the game worked well, and identify any areas for improvement.

On the whole, the majority of subjects from the experimental condition were found to raise issues with the game, either in terms of suitability, playability, or usefulness. For instance:

"I'm not into games, that's the problem. I, sort of, give up so quickly."

In terms of playability/usability, the following excerpt provides a typical example of an interview with a subject from the experimental group:

R: *"The game was terrible. And I'm used to playing games. I just thought that was awful."*

Int: *"What in particular was bad about it?"*

R: *"Trying to get my head around how it actually worked, what you were actually supposed to do. It was very tiny on the tablet so that was an issue. Then the instructions were not good. I didn't actually know where I was supposed to be pressing, what I was supposed to be pressing for, what the end result was supposed to be."*

These findings are in line with our earlier analysis which showed that the game was ranked below average in terms of usability on the SUS scale. The majority of subjects in the experimental condition reported that they found the game hard to use, and didn't understand what they were meant to do; providing further insight as to why the game did not motivate behaviour change as initially intended.

However, some subjects were more positive about the game, finding that it helped them to think more about their energy use in general, or helped others in their home to think more about their energy use. For example as one subject stated:

"I played it with the kids, having children who don't ... They think electricity is free and everything's free, it just comes to the house. So, it was quite handy to kind of teach them that it's not free, and it costs a lot of money, and actually besides the money element, there's the whole bigger picture of the environment and everything that's used to make electricity. I think it kind of got through to them in that respect, and actually they do turn the lights off now. Or if they leave the front room, they'll make sure they've turned the telly off. Whereas before they'd just get up and walk out and the telly would just be entertaining itself. So, it has kind of worked from that aspect."

Of the 13 subjects we spoke to from the experimental group, 5 reported that they had tried to play the game, but of these, only 3 stated they had successfully been able to play. Subjects were asked to explain the factors which prevented them from playing, or (in the case of the 3 subjects who had played) from playing more frequently. Subjects were often found to raise issues of lack of time for playing games, lack of understanding of the game, and lack of support. For example:

"I haven't got time to play computer games so that's really why I didn't play it."

"I couldn't get in (to the game). I had emailed them. I don't know where they are, no-one contacted me. I think that's where it fell down, they should have come showed us what to do. But I've got no experience of it."

"I started to play, but I couldn't really get into it. I don't know why. Probably the way it was formatted. I'm not quite sure. Because I do play games myself on the Xbox. I

did send a couple of messages a couple of times saying could they have a follow up and no-one got back."

Some subjects discussed how addressing these issues would have a positive impact on the playability of the game, and would encourage others to play more. For example:

"I think if it was going to be rolled out as say a nationwide incentive or something, I think people that aren't computer savvy or technologically savvy, I think they'd need much better instruction. I think for kids and the people who are used to that kind of thing, they just do a bit of trial and error until they actually work out, "All right if I do this it does this." But it's kind of easier for them. I think if you picked it up and you didn't know much about computers or apps or anything, I think you'd probably put it straight back down. I don't think it's something that you would persevere at. I think if you had a proper instruction in front of you, I think it would be more beneficial and people would probably use it more."

Perhaps one of the most interesting findings to come out of the interview sessions was feedback from the control group on lessons they had learned simply as a result of being part of the EnerGAware project. For example, in several instances, subjects were found to state they had increased energy awareness, and demonstrable increased engagement in energy saving behaviours as a result of taking part. For instance:

R: *"When the surveys came through, it asked you certain questions and you do start thinking, 'Oh yeah, you could actually save energy here'... in the long run it did better me to be honest, because like I say you do think about the things that saves you energy and what you're wasting your energy on."*

IR: *"So do you think you've actually changed anything in your own behaviour as a result of being part of the project in terms of your energy use?"*

R: *"Yeah, I have."*

Int: *"Could you say anything in particular that you've done differently...?"*

R: *"Doing full loads of washing, things like that. Getting the kids to turn all the lights off."*

Other examples include:

"When I've had the surveys through and it's said this, this and this, I'm thinking to myself, 'Hmmm, yes I am'. But I have done it in the past without thinking about it because it's just routine with me, it's just normal. But there is that little bit of doubt in

the back of my mind and I say to myself, 'Is there something else I could be doing that can reduce it?'".

"It was good getting the questionnaires to be able to give the feedback, so people can get a better understanding of how to get better efficiency in the home. That's good, yeah... We've definitely kept more of a look on the use of the boiler and using the heating and stuff, and I'd say keeping the blinds shut, the curtains closed. Saving on heating I think is the main thing, yeah."

"Like I say, I switch off everything and do all that type of thing which I didn't bother before."

It appeared that subjects in the control group were consistently able to pick out energy saving behaviours from the surveys provided, and had made efforts to incorporate them into their daily routines at home, in an effort to save energy, with a large proportion (66%) of subjects in this group raising similar points, and discussing specific energy saving behaviours that they were now more likely to engage in as a result of taking part in the programme.

As such it appears that the EnerGAware project did provide an effective platform for inciting behaviour change and increasing energy awareness, for some subjects. However, this was more likely attributable to the surveys themselves, where the list of energy saving behaviours was used by subjects as a kind of 'how-to' guide, rather this being due to engagement with the EnergyCat game per se. These results are in line with earlier focus group suggestions that subjects would:

"Rather be given tips/hints to save real money on my bills. I don't want to play games about energy."

The results are promising in terms of highlighting how social housing tenants are open to, and interested in, the idea of behaviour change in energy use at home, and highlight how even a simple list of behaviours was enough to change behaviour in some instances.

In sum, the results from the focus group and interviews provide useful insight as to how the game may be improved for future interventions trials. The results suggest that there was a generally positive perception of engagement with the EnerGAware project, and a high interest in energy saving across groups, suggesting that social housing tenants are open to behaviour change in the context of energy reduction. Future versions of the game require improvement in terms of usability, support, and educational functionality, but if these issues are addressed, such a game has the potential to provide a useful platform for motivating behaviour change in the social housing sector. The results also highlight how a physical or material 'how-to' guide may provide alternative means of changing behaviour in this

context, and future research may wish to explore and contrast the usefulness of both approaches for reducing energy demand in the social housing sector.

9. Conclusions

This section summarizes the overall impact of the pilot intervention. The analysis of the final term survey data and energy consumption data shows that whilst some aspects of the game did not work as intended, there were nevertheless some positive impacts of the intervention and engagement in the EnerGAware project as a whole on energy consumption, energy behaviours and awareness over time. We now provide a summary of the main findings, before drawing conclusions regarding the overall impact of the intervention.

At the end of the serious game intervention trial period and within the pre-post comparison approach, the EnergyCat serious game has been proved to provide a reduction of 5.34% of the energy consumption at the long-term horizon. Within the Plymouth social housing pilot and isolating the weather effects, electricity savings of social tenants in the experimental group were found to amount to 3.46% whereas gas savings were found to be of 7.48% at the long-term horizon. These results gain importance when compared with the performance of the houses in the control group that used 1.04% more energy in the final reporting period than in the baseline period. The midterm analysis showed higher electricity savings than the long-term analysis. This suggests that the EnergyCat serious game was effective in achieving energy savings but that the effects were found to be higher in the relative short-term and did not persist with the same intensity in the final term stage.

Obtained results showed that there was no effect of the intervention on the reduction of the average home electricity peak demand and the average power demand at the network peak period. Future energy saving interventions should explicitly address the fundamentals of electricity demand and teach how to reduce the energy consumption during the network peaks.

Engagement in the EnerGAware project was also found to have a significant, positive impact on the perceived affordability of energy bills. Specifically, whilst no differences were found between conditions, subjects were found to be more likely to state they found it difficult to pay their energy bills at the baseline versus final term stage, suggesting that simply taking part in the EnerGAware project had a positive impact in improving perceived affordability for the social housing tenants, across conditions. We previously found evidence for an indirect link between affordability concerns and poor health and well-being, via an increased likelihood that subjects who struggled to afford their energy bills would also be more likely to experience housing problems such as damp and mould [1]. As such, our

finding that subjects reported reduced affordability concerns in the final term (versus baseline) survey may have important implications in terms of tenants' health and well-being. Although we found no evidence for any self-reported changes in health between the baseline and final term stages in the current surveys, given the indirect link between affordability concerns and health, it may be that these effects simply take longer to become apparent. Specifically, it may be that the reduced affordability concerns noted in the relative short term of the twelve-month intervention period may translate into health benefits later down the line; if subjects are able to invest some of the expenditure saved on energy bills into home improvements in order to address their housing problems. It would be interesting for future interventions to follow-up on these effects, or to explore these effects over a longer time period, in order to ascertain whether improved affordability can translate into improved health over time. Our findings hint that this may be the case, but a longer intervention period would be needed in order to allow time for subjects to feel the benefit of increased capital via reduced energy bills in order to establish whether this is the case.

No differences were found in terms of engagement in the twenty-three energy saving behaviours between conditions, or over time (specifically, only one out of twenty-three behaviours was found to differ at the final term stage). Nevertheless, there was a significant difference for our other measure of energy-related behaviours over time – with subjects in the experimental (vs. control) condition being more likely to state they had set their bedroom radiator to a lower temperature than normal. As such, there was some improvement in engagement in certain energy saving behaviours over time. In terms of energy awareness, there were no differences between conditions for our measures of understanding, perceptions and motivations, perceived control, or social norms. However, there was a significant difference in understanding over time – with subjects being more likely to state they understood how their home used energy at the final term versus baseline stages. This provides evidence that participation in the EnerGAware project helped to improve understanding, across conditions.

When the statistical analyses were repeated including the midterm data, we found evidence for a change in engagement in the energy saving behaviours over time – with higher reported engagement at the midterm vs baseline or final term stages. As such this suggests that the intervention was effective in motivating positive behaviour change – but that the effects were only found to prevail in the relative short-term, and did not persist to the final term stage. This suggests that the intervention did have some positive impact on engagement in the energy saving behaviours, and implies that the optimal time course for such interventions may be around three months (if we consider that the baseline survey was received in January 2017, and the mid-term survey in April 2017). Future interventions must subsequently consider how we can prolong these effects on behaviour into the longer term. One potential strategy may be to increase the salience of potential rewards associated with

active engagement (e.g. longer-term reductions to one's energy bills). This may explain why the effects in the current intervention did not prevail over time, as the majority of householders did not recognise the link between game play and real-life energy saving behaviours. As such, continued interest in the programme may have been subdued by this disparity, and by a perceived lack of longer-term rewards. By addressing this and making information on longer-term rewards more prominent and easier to access/visualise, future interventions may be able to motivate behaviour change beyond the three-month period identified in the current programme.

There was no effect of the intervention on the experience of fuel poverty. However, there was found to be a reduction in the proportion of subjects, in both conditions, who stated they 'did not know what fuel poverty was', at the final term stage. As such, it appears that engagement in the programme was useful in educating subjects about fuel poverty, across conditions. No changes were found in terms of IT literacy across condition or over time.

The results of the sub-group analysis of subjects who played the EnergyCat game were found to directly parallel the main analysis; with no effects found for engagement in the energy saving behaviours across condition, and only one of the twenty-three behaviours differing over time (baseline vs. final term stages). Again paralleling main analysis there was also no impact on energy awareness, with the exception of an increase in understanding over time, and across condition. Feedback from the sub-group showed the complexity of the game and lack of support were critical issues which appeared to have prevented subjects from effectively interacting with the game. This was reflected in the below average SUS usability scores for all of the subjects in the sub-group who completed the scale. In addition, subjects did not perceive that the game was linked to their behaviour in real life, providing a key explanation for the lack of real life energy savings as a result of playing the game. Determining effective means of overcoming these issues should be prominent considerations in the development of future interventions.

It is important to note that one potential issue with our sub-group analysis stems from the low numbers of respondents who stated they had played the EnergyCat game, and the unequal group sizes (13 in experimental sub-group versus 31 in control group), meaning interpretation of these results should be treated with caution. We note that future studies may usefully consider recruiting higher numbers initially, in order to compensate for such high rates of attrition. For instance, of the 43 subjects in the experimental group who were sent the final term survey, only 13 (30%) reported having played the EnergyCat game. As such, in order to attempt to boost the numbers of those who will actively engage with such an intervention to a more robust number, we suggest targeting minimum of 350 households to take part in the first instance. This should allow for the high attrition rates demonstrated in the current programme, and still ensure that a sample of around 50-60 households (i.e. approximately

1/3 of the experimental group) will actively engage with the programme, giving us the best possible opportunity to assess behaviour change potential of future interventions using engaged householders.

Given there were no substantive differences in results whether we focus on the whole data set or the sub-group who played, we return to the main data set for the remaining analysis, and in drawing our final conclusions about the overall usefulness and impact of the intervention.

The focus group and interviews provided useful insight on areas which should be addressed in order to improve the usability of the game for future interventions. These sessions were also helpful in highlighting high levels of interest and motivation to save energy amongst social housing tenants, who generally appeared to be open to, and actively interested in, the idea of behaviour change in this context. Indeed, we found evidence that simple engagement in the EnerGAware project was enough to motivate positive behaviour change for some residents, who were able to pick out behaviours from the surveys and incorporate them into their daily routines; leading to reductions in consumption in comparison to the start of the project. As such, if we can utilise the feedback gained from subjects in these sessions in order to improve game usability and playability, it appears there is substantial potential for inciting behaviour change in this sector. The results from these sessions also highlight how a simple 'how-to' guide, or other simple non-digital forms of communication such as a material game, may provide alternative means of changing behaviour in this context. We suggest that future research may wish to explore and contrast the usefulness of such approaches for reducing energy demand in the social housing sector.

In terms of our exploration of psychological barriers to behaviour change in this context, our results suggest that behaviour change may have been restricted due to a desire to maintain comfort levels, health reasons, and the fact subjects perceived they were already using very little energy. As such, our results provide useful feedback and insight which should be incorporated into the development of future serious game interventions. Specifically, in line with earlier qualitative feedback, we suggest that future versions of the game should aim to provide improved support/instructions, and reduce game complexity, in order to increase usability. However, in addition, future interventions should also look to determine means of improving the educational functionality of the game – with a particular focus on teaching users how they can reduce consumption whilst maintaining thermal comfort at home. Incorporating this feedback into new serious game designs may prove a highly effective means of overcoming remaining psychological barriers to behaviour change identified by tenants, and thus reducing energy demand in the social housing sector.

In all, our results suggest that some aspects of the EnergyCat game did not work as intended, and our feedback and further exploration using focus groups and interviews provide

numerous suggestions and pathways for future research which will help to improve the persuasive potential of future serious game interventions. Because of this, we find that the game had limited impact in inciting behaviour change, with no real differences found across the experimental versus control conditions at the final term stage, or over time. Nevertheless, we did find several significant effects of engagement in the programme over time, when looking across conditions. Specifically, subjects were found to report improved perceived affordability of energy bills over time, and had increased understanding of how their homes used energy over time. In addition, when looking at the midterm survey results, we found evidence for a shorter-term impact of the intervention on engagement in the energy saving behaviours across condition. As such, it appears that engagement in the EnerGAware project was effective in inciting some aspects of behaviour change, and future research should look to explore how these effects may be prolonged into the longer-term.

10. References

- [1] Boomsma, C., Pahl, S., Jones, R.V., Fuertes, A. (2017). "Damp in bathroom. Damp in back room. It's very depressing!" exploring the relationship between perceived housing problems, energy affordability concerns, and health and well-being in UK social housing. *Energy Policy*, 106, 382-393.

Appendix A. Final term survey: Experimental group

UPRN

Your Home and Energy

This section of the survey is about your home and your energy use. We would like to know your views and concerns about your energy use and costs. Your answers will help us to better understand your energy use and how you could save money on your energy bills.



1 How satisfied are you with your home?

Very
satisfied
☐

Fairly
satisfied
☐

Neither satisfied
nor dissatisfied
☐

Slightly
dissatisfied
☐

Very
dissatisfied
☐

2 Are there any issues with your home that you would like to tell us about?

3 How easy or difficult is it for you to afford your energy bills?

Very
easy
☐

Fairly
easy
☐

Neither easy
nor difficult
☐

Fairly
difficult
☐

Very
difficult
☐

4 Would you say that you experience fuel poverty in your household?

Yes
☐

No
☐

I don't know what fuel poverty is
☐

5 As a household, how much money do you tend to spend on energy (e.g. electricity, gas or other fuel) to keep warm in your home?

5% of our
monthly
household
income
☐

10% of our
monthly
household
income
☐

15% of our
monthly
household
income
☐

20% of our
monthly
household
income
☐

More than 20%
of our monthly
household
income
☐

I don't
know
☐



6 How much do you agree or disagree with these statements? (Tick one answer for each statement)

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree
I don't understand how my home uses energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am worried about my energy bills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I often think about how I could save energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have control over how much energy is consumed in my home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am not able to save any more energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am prepared to save energy with the right support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
My friends and family say it's important to save energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I don't trust my energy supplier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can easily imagine how much energy my home uses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 During the last 3 months, how often have you taken the following actions? (Tick one answer for each statement)

	Always	Often	Sometimes	Very Occasionally	Never	Not applicable
I make sure that the curtains/blinds are closed when the heating is on in the evening	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I make sure the curtains /blinds are open when the sun is shining in winter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I make sure that the windows are closed when the heating is on	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I change the temperature on my thermostat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I adjust the temperature on my radiators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I try to minimise my shower time to 5 minutes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I make sure that no appliances are left on standby	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I make sure that chargers are unplugged when not in use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I shut down my computer when it is not in use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I only boil the water I need in the kettle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I make sure that I use the right sized hob ring for each pan when cooking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



	Always	Often	Sometimes	Very Occasionally	Never	Not applicable
I make sure that the fridge and freezer doors are not open for longer necessary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
When no one is at home the heating is off	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
When I am the last to leave a room I turn the lights off	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I wear very warm clothes in winter so I can keep the heating on low or off	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
When I buy a new appliance I look carefully at the energy labels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I turn off the heating in rooms that are not normally used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I close the doors between rooms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I only use my washing machine when I have a full load of washing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
When I am the last to leave a room I turn off the appliances that are on	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I only use my dishwasher when it is full	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I use energy saving modes on my appliances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I tell other people to do things that save energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8 During the last 3 months, compared to normally at this time of year, would you say that you have heated your home...

Less than normal	About the same as normal	Longer than normal	Don't know
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9 During the last 3 months, compared to normally at this time of year, would you say that you have set your thermostat to...

A lower temperature than normal	The same temperature as normal	A higher temperature than normal	Don't know	Not applicable
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10 During the last 3 months, compared to normally at this time of year, would you say that you have set your living room radiator to...

A lower temperature than normal	The same temperature as normal	A higher temperature than normal	Don't know	Not applicable
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11 During the last 3 months, compared to normally at this time of year, would you say that you have set your main bedroom radiator to...

A lower temperature than normal	The same temperature as normal	A higher temperature than normal	Don't know	Not applicable
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



12 How much do you agree or disagree with these statements? (Tick one answer for each statement)

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree
I am interested in trying to use less energy at home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am able to take steps to reduce my energy use at home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I would like to learn about the best ways to save energy at home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13 Which of these reasons currently prevent you from using less energy at home? (Tick one answer for each statement)

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree	Not applicable
I don't know how to	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Health reasons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Don't want to / not interested	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No financial incentive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hard to change my behavior / habits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Don't want to feel cold or uncomfortable at home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No personal control over my household energy use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Already using very little	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No-one else is doing it	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other members of my household aren't willing / able to	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No interest from family / friends / neighbours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other reason (please state): _____



- 14 Which of these would motivate you to try and use less energy at home? (Tick one answer for each statement)**

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree
Saving money	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Knowing my friends / family / neighbours do it	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Better health	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Helping the environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other benefit (please state): _____					

- 15 Is there anything else about your energy use at home that you would like to tell us?**



Your Feedback



This section of the survey is about your experience with the EnergyCat game installed on the tablet you received from us. We are interested in your thoughts about the game, but also want to hear from you if you have not played the game yet. Your feedback will help us improve the design of the game.



16 Have you played the game: EnergyCat – The House of Tomorrow?

- Yes ☐ Skip to Question 19
No ☐

17 There could be many reasons for not playing the game, we are interested in your thoughts. What are your main reasons for not playing the game so far?

18 Could you tell us what would need to be changed or improved in order for you to start playing the game?

If you have not played the EnergyCat game yet, you can now skip to Question 26



- 19** How many times have you played the EnergyCat game so far?
(This does not have to be a precise number, an estimate is fine)

Time(s)

- 20** On average, when you play the EnergyCat game how long do you play the game for?
(This does not have to be a precise number, an estimate is fine)

Minutes

- 21** What did you like about the EnergyCat game?

- 22** What did you dislike about the EnergyCat game?



23 How much do you agree or disagree with these statements? (Tick one answer for each statement)

The EnergyCat game.....	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree	Not applicable
makes it fun to deal with the energy use in my home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
helps me learn what I can actually do to save energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
helps me reduce my energy bills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
encourages others in my home to think about how they use energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
helps me understand energy use in my home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
has given me new information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
has motivated me to do more to save energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

24 How much do you agree or disagree with these statements? (Tick one answer for each statement)

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree	Not applicable
I would like to play the EnergyCat game frequently	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The EnergyCat game is unnecessarily complicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The EnergyCat game is easy to use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I would need more support to be able to play the EnergyCat game	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The various functions in the EnergyCat game are well integrated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The EnergyCat game is not consistent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I would imagine that most people would learn to play the EnergyCat game very quickly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The EnergyCat game is very difficult to use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I felt very confident playing the EnergyCat game	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I needed to learn a lot of things before I could get going with the EnergyCat game	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
There was a link between the game and my own behaviour in real life	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



25 Are you planning to continue playing the EnergyCat game?

- Yes ☐
No ☐
Don't know ☐

If your answer is no or don't know could you tell us what would need to be changed or improved in order for you to continue playing the game?

26 Please rate how much you agree with the following statements (Tick one answer for each statement):

"I would have played the EnergyCat game more if....."	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree	Not applicable
I understood what to do / if I had better instructions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I had more of an incentive (such as saving money)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I had more time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
It was more fun / interesting to play	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
It was better at teaching me things I can do to save energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

27 Please imagine you are thinking of ways to encourage other people to play. Which of the following things do you think would be effective? (Tick one answer for each statement):

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree
Give clearer instructions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide information on how it can help you save money	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide information on how it can help the environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Make the game more fun to play	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Make the game less complicated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add different / more interesting tasks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Provide clearer information on how the game links to their behaviour in real life	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



28 Has anyone else in your household played the EnergyCat game?

- Yes ☐
- No ☐ Skip to Question 30
- Don't know ☐ Skip to Question 30
- Not applicable ☐ Skip to Question 30

29 If someone else in your household played the EnergyCat game, how many times did they play it?
(This does not have to be a precise number, an estimate is fine as well).

Don't know Not applicable

Person 1Time(s)	<input type="checkbox"/>	
Person 2Time(s)	<input type="checkbox"/>	<input type="checkbox"/>
Person 3Time(s)	<input type="checkbox"/>	<input type="checkbox"/>
Person 4Time(s)	<input type="checkbox"/>	<input type="checkbox"/>
Person 5Time(s)	<input type="checkbox"/>	<input type="checkbox"/>
Person 6Time(s)	<input type="checkbox"/>	<input type="checkbox"/>

30 Have you looked at your household's energy consumption online via the EnergyCat website or game?

- Yes ☐
- No, I don't know how to do this ☐ Skip to Question 32
- No, I'm not interested in looking at my energy use ☐ Skip to Question 32
- No, other reason (please specify below) ☐ Skip to Question 32

31 To what extent did you find the feedback on your household's energy consumption...

Not at all A little bit Quite a bit A lot

Helpful	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Informative	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Difficult to understand	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meaningful	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

32 Is there anything else about the EnergyCat game and/or the feedback on your household's energy consumption that you would like to tell us?



On the next couple of pages we would like to ask you some questions to get YOUR feedback on the tablet you received from us.

33 How much do you agree or disagree with these statements? (Tick one answer for each statement)

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree	Not applicable
I feel confident using a computer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel confident using the Internet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

34 Have you used the tablet that you received from us in January/February?

- Yes ☐
- No, please explain below ☐ Skip to Question 38

35 How much do you agree or disagree with these statements? (Tick one answer for each statement)

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree	Not applicable
I feel confident using the tablet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I find that I am on the internet more often now that I have a tablet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

36 How easy/difficult is it for you to do the following actions on the tablet?

	Very easy	Somewhat easy	Neither easy nor difficult	Somewhat difficult	Very difficult	Not applicable
Using the touchscreen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Browsing the internet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Downloading apps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Playing games	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sending emails	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reading the news	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Checking online bank account	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Watching videos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Using social media	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



37 To what extent do you feel the tablet has made you...

	Not at all	A little bit	Quite a bit	A lot	Not applicable
More confident about your reading and writing skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
More confident about your number skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Feel more connected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Motivated to learn new things	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

38 Did you already own a tablet before you received one from us in January/February?

Yes, I did	No, I did not	Don't know	Prefer not to answer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

39 Is there anything else about the tablet that you would like to tell us?



You and Your Household

This section of the survey is to gather some basic information about you and other members of your household. This will help us to better understand the responses you have given in the survey so far.



40 How old are you?

Age	Prefer not to answer <input type="checkbox"/>
-----	--

41 I am...

Male	Female	Prefer not to answer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

42 Who is living with you (excluding yourself)?

	Adult (over 18 years)	Child (16-18 years)	Child (Under 16 years)	Male	Female
Person 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Person 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Person 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Person 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Person 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I live on my own	<input type="checkbox"/>				

43 What is your employment status?

Employed	<input type="checkbox"/>	Retired	<input type="checkbox"/>
Unemployed	<input type="checkbox"/>	Other (Please specify below)	<input type="checkbox"/>
Seeking work	<input type="checkbox"/>	Prefer not to answer	<input type="checkbox"/>
Student	<input type="checkbox"/>		

44 How many people in your household (excluding yourself) are... (Insert number)

Employed		Retired	
Unemployed		Other	
Seeking work		Prefer not to answer	
Student			

45 What is your highest qualification?

GCSE, O'level, NVQ level 2 or	<input type="checkbox"/>	Another kind of qualification	<input type="checkbox"/>
A'Level, NVQ level 3 or equivalent	<input type="checkbox"/>	Not applicable	<input type="checkbox"/>
Degree level (e.g., BA, BSc) or above	<input type="checkbox"/>	Prefer not to answer	<input type="checkbox"/>



46 Are you or other members of your household in receipt of welfare benefits, such as unemployment allowance, housing benefit?

Yes	No	Prefer not to answer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

47 How was your health in general in the last 2 months?

Very good	Good	Fair	Bad	Very bad	Prefer not to answer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

48 How many times have you visited your GP surgery in the last 2 months (Insert number)?

Prefer not to answer
☐

49 Overall, how satisfied are you with life nowadays?

0 Not at all satisfied	1	2	3	4	5	6	7	8	9	10 Completely satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

50 Do you or other members of your household consider themselves to have a disability?

Yes, I do	Yes, another member of the household	No	Prefer not to answer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

51 Is there anything else about your household that you would like to tell us?



Your energy readings

We would like you to provide us with an up-to-date meter reading. This will help us to check the measurements from the monitoring equipment we installed in your home.



52 Electricity meter reading

If you have a meter with digits or an electronic display:

- if your meter has one row of numbers, you only need to fill in the box at the top. If your meter has more than one row of numbers, please fill in the other relevant boxes. You may have to scroll down on your digital display to access the second and third rows of numbers
- ignore any numbers in red
- ignore any numbers after a decimal point.

If your meter has one row

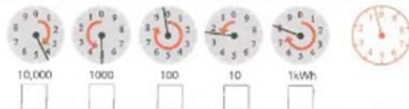
If your meter has two rows

If your meter has three rows

If you have an electricity dial meter:

- read the dials from left to right
- each dial turns in the opposite direction to the one before it. Before you read your dial meter, check the direction of your dials. They may not be exactly like those illustrated
- if the pointer is between two numbers, always take the lower number
- if the pointer is directly over a number, write down that one
- if the pointer falls between 9 and 0, write down 9 and reduce the reading you've already taken for the dial on its left by one - for example, if you originally recorded 5, reduce it to 4
- don't read the last dial on the right.

In this example, the dial meter reading will be 44928 - as shown below.



53 Gas meter reading

If you have a gas digital meter:

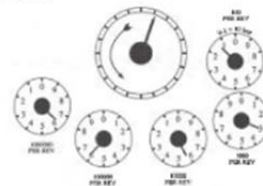
- read the numbers from left to right
- ignore any digits shown in red or in a red surround
- ignore any printed zeros
- ignore any digits after the decimal point.

Your reading

If you have a gas dial meter:

- read the dials from left to right
- if the pointer is between two numbers always take the lower number. Before you read your dial meter, check the direction of the numbers on your dials. They may not be exactly like those illustrated
- ignore red dials
- if the pointer falls between 9 and 0, write down 9
- ignore the largest dial and the dial marked '100 per rev'

So, in this example, the dial meter reading will be 6653.



Your reading

The information you provide will be treated in strict confidence and held securely by DCH. Data given to Plymouth University will not contain your name or contact details unless you give your explicit permission as part of joining the project. No one will be identified in the results of the project. Your personal details will not be passed to other people or organisations. The project will be carried out in accordance with the Data Protection Act. Both DCH and Plymouth University have strict ethics procedures to control how the project is carried out and used.

Appendix B. Final term survey: Control group

UPRN

Your Home and Energy

This section of the survey is about your home and your energy use. We would like to know your views and concerns about your energy use and costs. Your answers will help us to better understand your energy use and how you could save money on your energy bills.



1 How satisfied are you with your home?

Very satisfied	Fairly satisfied	Neither satisfied nor dissatisfied	Slightly dissatisfied	Very dissatisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2 Are there any issues with your home that you would like to tell us about?

3 How easy or difficult is it for you to afford your energy bills?

Very easy	Fairly easy	Neither easy nor difficult	Fairly difficult	Very difficult
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4 Would you say that you experience fuel poverty in your household?

Yes	No	I don't know what fuel poverty is
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5 As a household, how much money do you tend to spend on energy (e.g. electricity, gas or other fuel) to keep warm in your home?

5% of our monthly household income	10% of our monthly household income	15% of our monthly household income	20% of our monthly household income	More than 20% of our monthly household income	I don't know
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



6 How much do you agree or disagree with these statements? (Tick one answer for each statement)

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree
I don't understand how my home uses energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am worried about my energy bills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I often think about how I could save energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have control over how much energy is consumed in my home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am not able to save any more energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am prepared to save energy with the right support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
My friends and family say it's important to save energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I don't trust my energy supplier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can easily imagine how much energy my home uses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 During the last 3 months, how often have you taken the following actions? (Tick one answer for each statement)

	Always	Often	Sometimes	Very Occasionally	Never	Not applicable
I make sure that the curtains/blinds are closed when the heating is on in the evening	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I make sure the curtains /blinds are open when the sun is shining in winter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I make sure that the windows are closed when the heating is on	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I change the temperature on my thermostat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I adjust the temperature on my radiators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I try to minimise my shower time to 5 minutes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I make sure that no appliances are left on standby	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I make sure that chargers are unplugged when not in use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I shut down my computer when it is not in use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I only boil the water I need in the kettle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I make sure that I use the right sized hob ring for each pan when cooking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



	Always	Often	Sometimes	Very Occasionally	Never	Not applicable
I make sure that the fridge and freezer doors are not open for longer necessary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
When no one is at home the heating is off	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
When I am the last to leave a room I turn the lights off	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I wear very warm clothes in winter so I can keep the heating on low or off	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
When I buy a new appliance I look carefully at the energy labels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I turn off the heating in rooms that are not normally used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I close the doors between rooms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I only use my washing machine when I have a full load of washing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
When I am the last to leave a room I turn off the appliances that are on	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I only use my dishwasher when it is full	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I use energy saving modes on my appliances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I tell other people to do things that save energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8 During the last 3 months, compared to normally at this time of year, would you say that you have heated your home...

Less than normal	About the same as normal	Longer than normal	Don't know
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9 During the last 3 months, compared to normally at this time of year, would you say that you have set your thermostat to...

A lower temperature than normal	The same temperature as normal	A higher temperature than normal	Don't know	Not applicable
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10 During the last 3 months, compared to normally at this time of year, would you say that you have set your living room radiator to...

A lower temperature than normal	The same temperature as normal	A higher temperature than normal	Don't know	Not applicable
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11 During the last 3 months, compared to normally at this time of year, would you say that you have set your main bedroom radiator to...

A lower temperature than normal	The same temperature as normal	A higher temperature than normal	Don't know	Not applicable
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



12 How much do you agree or disagree with these statements? (Tick one answer for each statement)

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree
I am interested in trying to use less energy at home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I am able to take steps to reduce my energy use at home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I would like to learn about the best ways to save energy at home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13 Which of these reasons currently prevent you from using less energy at home? (Tick one answer for each statement)

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree	Not applicable
I don't know how to	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Health reasons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Don't want to / not interested	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No financial incentive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hard to change my behavior / habits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Don't want to feel cold or uncomfortable at home	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No personal control over my household energy use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Already using very little	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No-one else is doing it	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other members of my household aren't willing / able to	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No interest from family / friends / neighbours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other reason (please state): _____



- 14 Which of these would motivate you to try and use less energy at home? (Tick one answer for each statement)

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree
Saving money	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Knowing my friends / family / neighbours do it	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Better health	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Helping the environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other benefit (please state): _____					

- 15 Is there anything else about your energy use at home that you would like to tell us?



Your Feedback

This section of the survey is about your experience with the tablet you received from us in January/February. We are interested in your thoughts about the tablet, but also want to hear from you if you have not used the tablet yet.



16 How much do you agree or disagree with these statements? (Tick one answer for each statement)

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree	Not applicable
I feel confident using a computer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel confident using the Internet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

17 Have you used the tablet that you received from us in January/February?

- Yes ☐
- No, please explain below ☐ **Skip to Question 21**

18 How much do you agree or disagree with these statements? (Tick one answer for each statement)

	Strongly agree	Tend to agree	Neither agree nor disagree	Tend to disagree	Strongly disagree	Not applicable
I feel confident using the tablet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I find that I am on the internet more often now that I have a tablet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

19 How easy/difficult is it for you to do the following actions on the tablet?

	Very easy	Somewhat easy	Neither easy nor difficult	Somewhat difficult	Very difficult	Not applicable
Using the touchscreen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Browsing the internet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Downloading apps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Playing games	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sending emails	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



	Very easy	Somewhat easy	Neither easy nor difficult	Somewhat difficult	Very difficult	Not applicable
Reading the news	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Checking online bank account	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Watching videos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Using social media	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

20 To what extent do you feel the tablet has made you...

	Not at all	A little bit	Quite a bit	A lot	Not applicable
More confident about your reading and writing skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
More confident about your number skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Feel more connected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Motivated to learn new things	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

21 Did you already own a tablet before you received one from us in January/February?

Yes, I did	No, I did not	Don't know	Prefer not to answer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

22 Is there anything else about the tablet that you would like to tell us?



You and Your Household

This section of the survey is to gather some basic information about you and other members of your household. This will help us to better understand the responses you have given in the survey so far.



23 How old are you?

Age	Prefer not to answer
<input type="text"/>	<input type="checkbox"/>

24 I am...

Male	Female	Prefer not to answer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

25 Who is living with you (excluding yourself)?

	Adult (over 18 years)	Child (16-18 years)	Child (Under 16 years)	Male	Female
Person 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Person 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Person 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Person 4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Person 5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I live on my own	<input type="checkbox"/>				

26 What is your employment status?

Employed	<input type="checkbox"/>	Retired	<input type="checkbox"/>
Unemployed	<input type="checkbox"/>	Other (Please specify below)	<input type="checkbox"/>
Seeking work	<input type="checkbox"/>	Prefer not to answer	<input type="checkbox"/>
Student	<input type="checkbox"/>		

27 How many people in your household (excluding yourself) are... (Insert number)

Employed	<input type="text"/>	Retired	<input type="text"/>
Unemployed	<input type="text"/>	Other	<input type="text"/>
Seeking work	<input type="text"/>	Prefer not to answer	<input type="text"/>
Student	<input type="text"/>		

28 What is your highest qualification?

GCSE, O'level, NVQ level 2 or	<input type="checkbox"/>	Another kind of qualification	<input type="checkbox"/>
A'Level, NVQ level 3 or equivalent	<input type="checkbox"/>	Not applicable	<input type="checkbox"/>
Degree level (e.g., BA, BSc) or above	<input type="checkbox"/>	Prefer not to answer	<input type="checkbox"/>



29 Are you or other members of your household in receipt of welfare benefits, such as unemployment allowance, housing benefit?

Yes	No	Prefer not to answer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

30 How was your health in general in the last 2 months?

Very good	Good	Fair	Bad	Very bad	Prefer not to answer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

31 How many times have you visited your GP surgery in the last 2 months (Insert number)?

<input type="text"/>	Prefer not to answer
	<input type="checkbox"/>

32 Overall, how satisfied are you with life nowadays?

0 Not at all satisfied	1	2	3	4	5	6	7	8	9	10 Completely satisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

33 Do you or other members of your household consider themselves to have a disability?

Yes, I do	Yes, another member of the household	No	Prefer not to answer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

34 Is there anything else about your household that you would like to tell us?



Your energy readings

We would like you to provide us with an up-to-date meter reading. This will help us to check the measurements from the monitoring equipment we installed in your home.



35 Electricity meter reading

If you have a meter with digits or an electronic display:

- if your meter has one row of numbers, you only need to fill in the box at the top. If your meter has more than one row of numbers, please fill in the other relevant boxes. You may have to scroll down on your digital display to access the second and third rows of numbers
- ignore any numbers in red
- ignore any numbers after a decimal point.

If your meter has one row

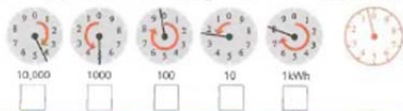
If your meter has two rows

If your meter has three rows

If you have an electricity dial meter:

- read the dials from left to right
- each dial turns in the opposite direction to the one before it. Before you read your dial meter, check the direction of your dials. They may not be exactly like those illustrated
- if the pointer is between two numbers, always take the lower number
- if the pointer is directly over a number, write down that one
- if the pointer falls between 9 and 0, write down 9 and reduce the reading you've already taken for the dial on its left by one - for example, if you originally recorded 5, reduce it to 4
- don't read the last dial on the right.

In this example, the dial meter reading will be 44928 - as shown below.



36 Gas meter reading

If you have a gas digital meter:

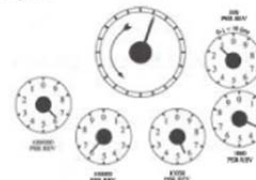
- read the numbers from left to right
- ignore any digits shown in red or in a red surround
- ignore any printed zeros
- ignore any digits after the decimal point.

Your reading

If you have a gas dial meter:

- read the dials from left to right
- if the pointer is between two numbers always take the lower number. Before you read your dial meter, check the direction of the numbers on your dials. They may not be exactly like those illustrated
- ignore red dials
- if the pointer falls between 9 and 0, write down 9
- ignore the largest dial and the dial marked '100 per rev'

So, in this example, the dial meter reading will be 6653.



Your reading

The information you provide will be treated in strict confidence and held securely by DCH. Data given to Plymouth University will not contain your name or contact details unless you give your explicit permission as part of joining the project. No one will be identified in the results of the project. Your personal details will not be passed to other people or organisations. The project will be carried out in accordance with the Data Protection Act. Both DCH and Plymouth University have strict ethics procedures to control how the project is carried out and used.

Appendix C. Energy reports for each pilot house

Building characteristics

Id dwelling:	EA #001	Dwelling type:	Semi Detached Bungalow
Construction period:	1967-1975	Floor area (m²):	70
Number of storeys:	1	Number of habitable rooms:	3
Household size:	2	Internet:	-

Energy characteristics

SAP:	68 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landys	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	800
Location:	Outdoor	Distance aggregator-meter (m):	5

Gas infrastructure characteristics

Manufacturer:	Hanson PLC	Type:	Analogue
Model:	UGI		
Location:	Indoor	Distance aggregator-meter (m):	5

Baseline period

Starting date (dd/mm/yyyy):	21/01/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C) :	1808,5		

Electricity

Initial meter reading (kWh):	685	Final meter reading (kWh):	11.523
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2	Final meter reading (m³):	67
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Electricity consumption (kWh):	10.837,7
Gas consumption (kWh):	735,6
Total energy consumption (kWh):	11.573,3

Midterm reporting period			
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Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	30/05/2017
Heating Degree Days (°C) :	852,5		

Electricity			
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Initial meter reading (kWh):	11.523	Final meter reading (kWh):	12.531
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10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	67	Final meter reading (m³):	73
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Electricity consumption (kWh):	1.008,0
Gas consumption (kWh):	60,7
Total energy consumption (kWh):	1.068,7

Final reporting period			
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Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	16/01/2018
Heating Degree Days (°C) :	1667,5		

Electricity			
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Initial meter reading (kWh):	11.523	Final meter reading (kWh):	15.036
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10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

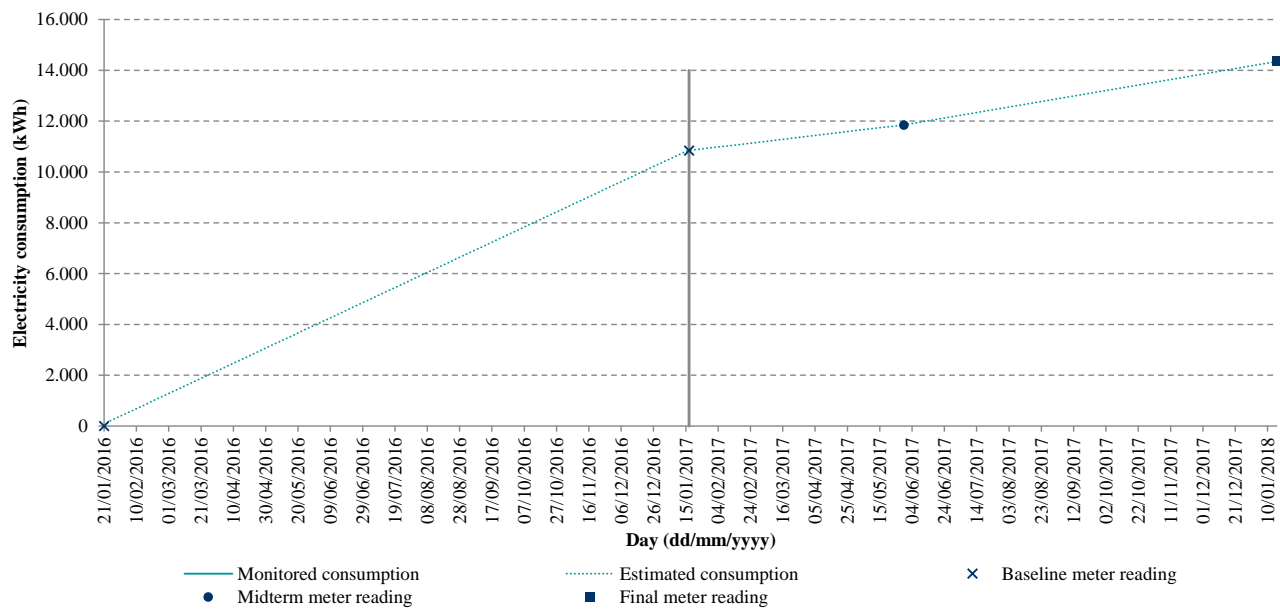
Gas			
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Initial meter reading (m³):	67	Final meter reading (m³):	79
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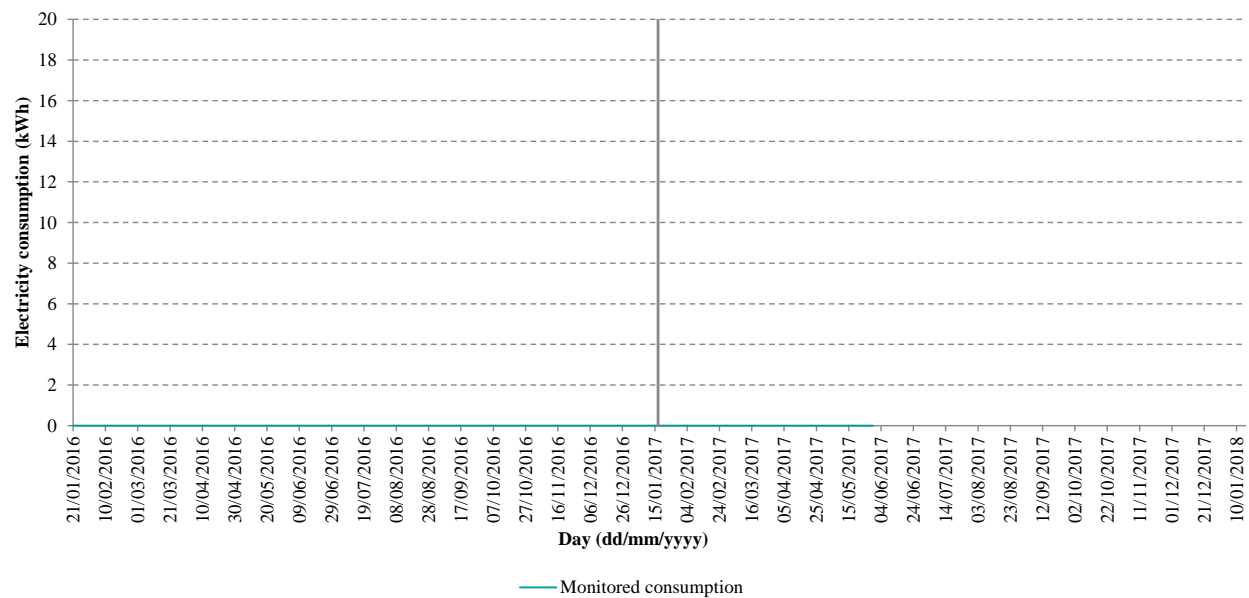
Electricity consumption (kWh):	3.513,0
Gas consumption (kWh):	126,4
Total energy consumption (kWh):	3.639,4

Baseline, midterm and final reporting period

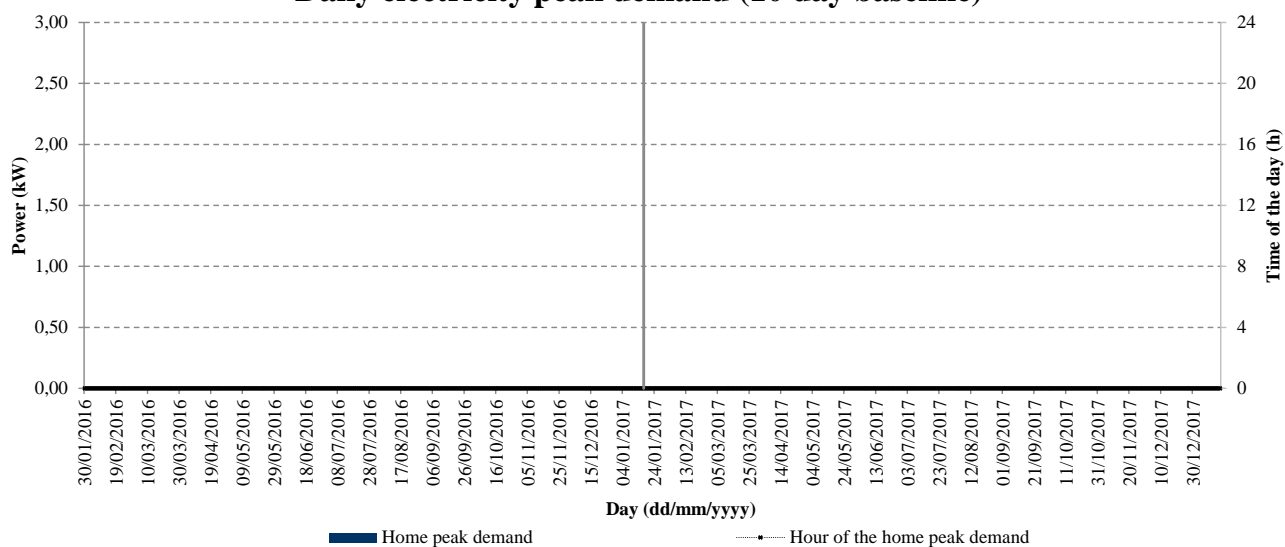
Cumulative electricity consumption



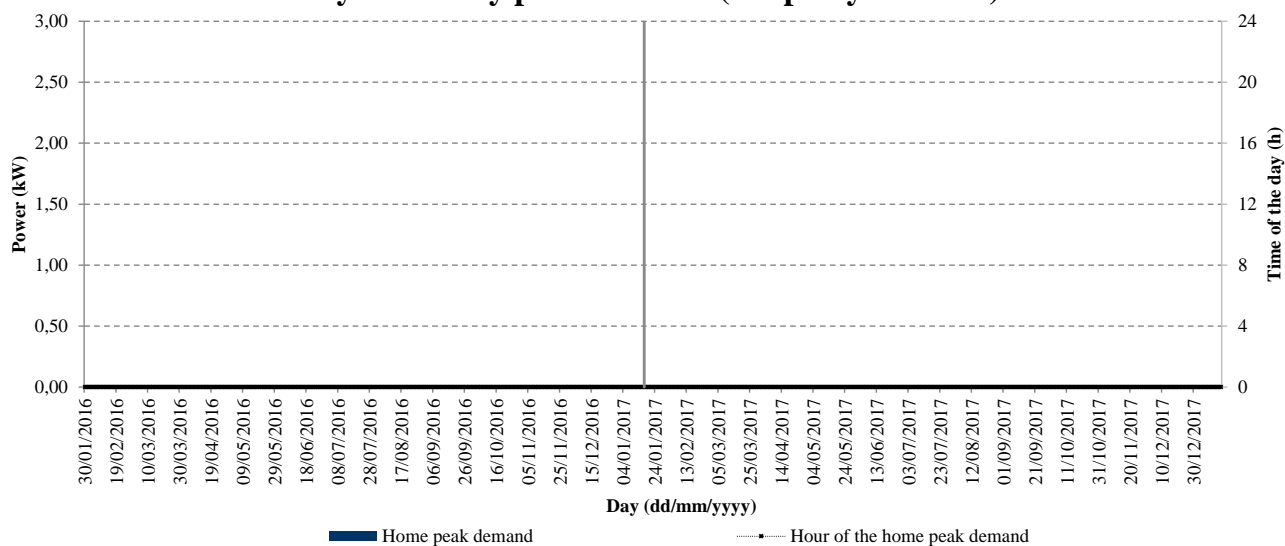
Daily electricity consumption



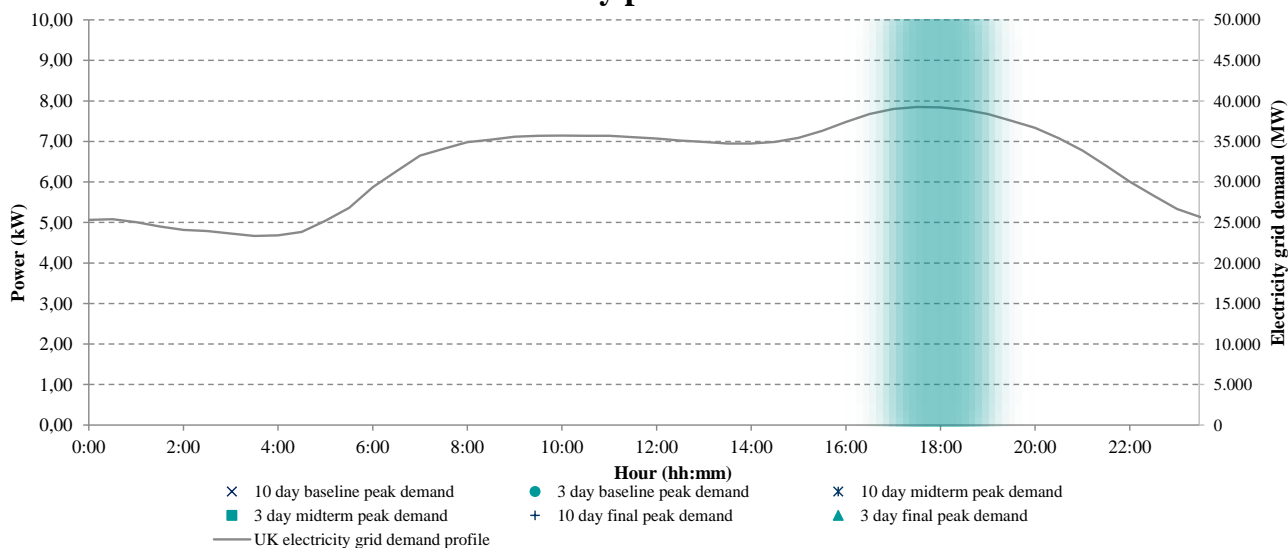
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #002	Dwelling type:	End Terrace House
Construction period:	2007+	Floor area (m²):	80
Number of storeys:	2	Number of habitable rooms:	4
Household size:	2	Internet:	-

Energy characteristics

SAP:	85 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	Photovoltaics

Electricity infrastructure characteristics

Manufacturer:	Landys	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	5

Gas infrastructure characteristics

Manufacturer:	Sensus	Type:	Analogue
Model:	Cubix U6		
Location:	Outdoor	Distance aggregator-meter (m):	5

Baseline period

Starting date (dd/mm/yyyy):	21/01/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	1.774,5		

Electricity

Initial meter reading (kWh):	5.909	Final meter reading (kWh):	8.226
10 day baseline peak demand	Power (kW): 3,14	Time (hh:mm):	14 h 14 min
3 day baseline peak demand	Power (kW): 5,40	Time (hh:mm):	14 h 35 min
Demand at the network peak	Power (kW): 0,49	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	809	Final meter reading (m³):	1.032
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Electricity consumption (kWh):	2.317,0
Gas consumption (kWh):	2.492,9
Total energy consumption (kWh):	4.809,9

Midterm reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	14/05/2017
Heating Degree Days (°C) :	856,5		

Electricity

Initial meter reading (kWh):	8.226	Final meter reading (kWh):	8.862
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.032	Final meter reading (m³):	1.176
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Electricity consumption (kWh):	636,0
Gas consumption (kWh):	1.607,6
Total energy consumption (kWh):	2.243,6

Final reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	19/01/2018
Heating Degree Days (°C) :	1.735,0		

Electricity

Initial meter reading (kWh):	8.226	Final meter reading (kWh):	10.811
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

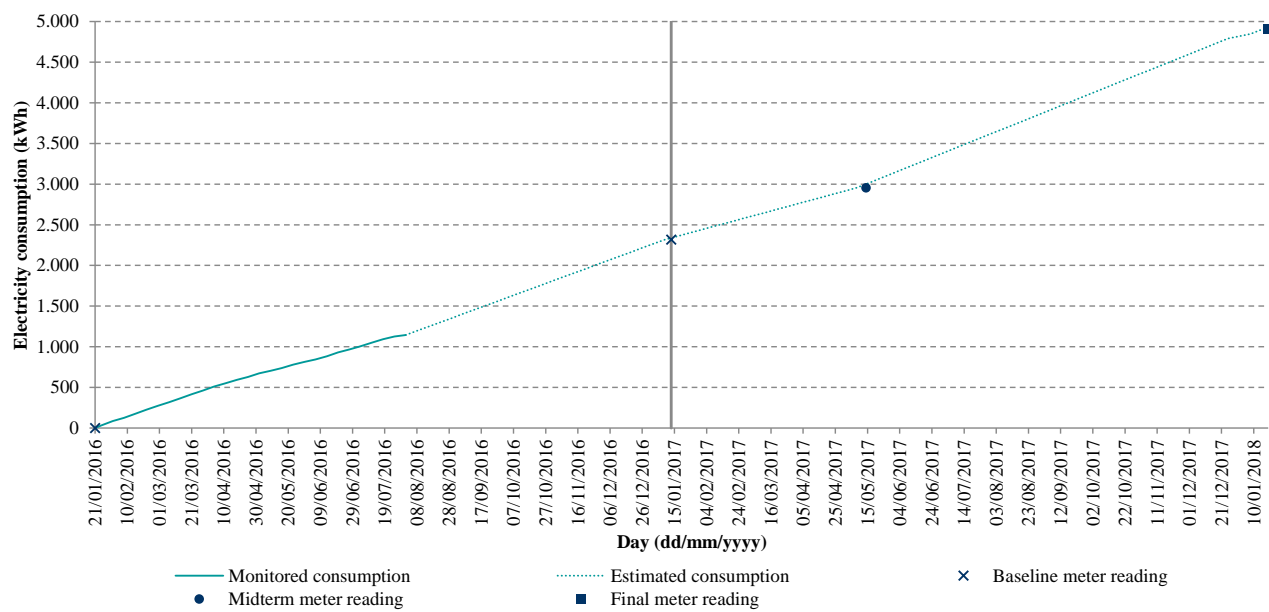
Gas

Initial meter reading (m³):	1.032	Final meter reading (m³):	1.331
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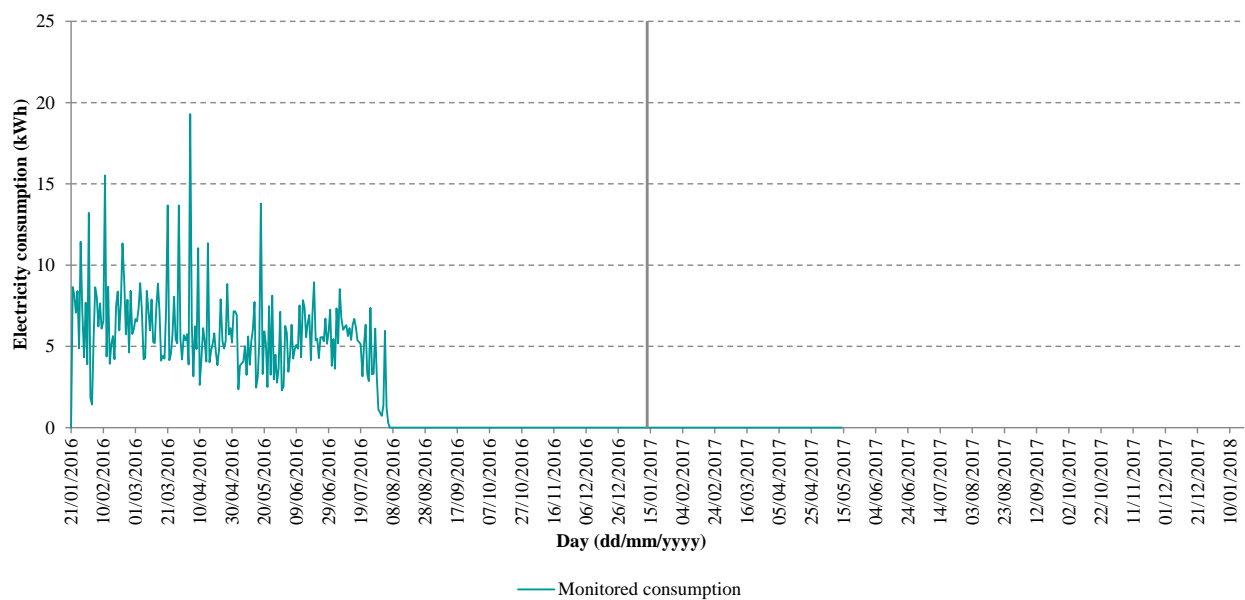
Electricity consumption (kWh):	2.585,0
Gas consumption (kWh):	3.339,4
Total energy consumption (kWh):	5.924,4

Baseline, midterm and final reporting period

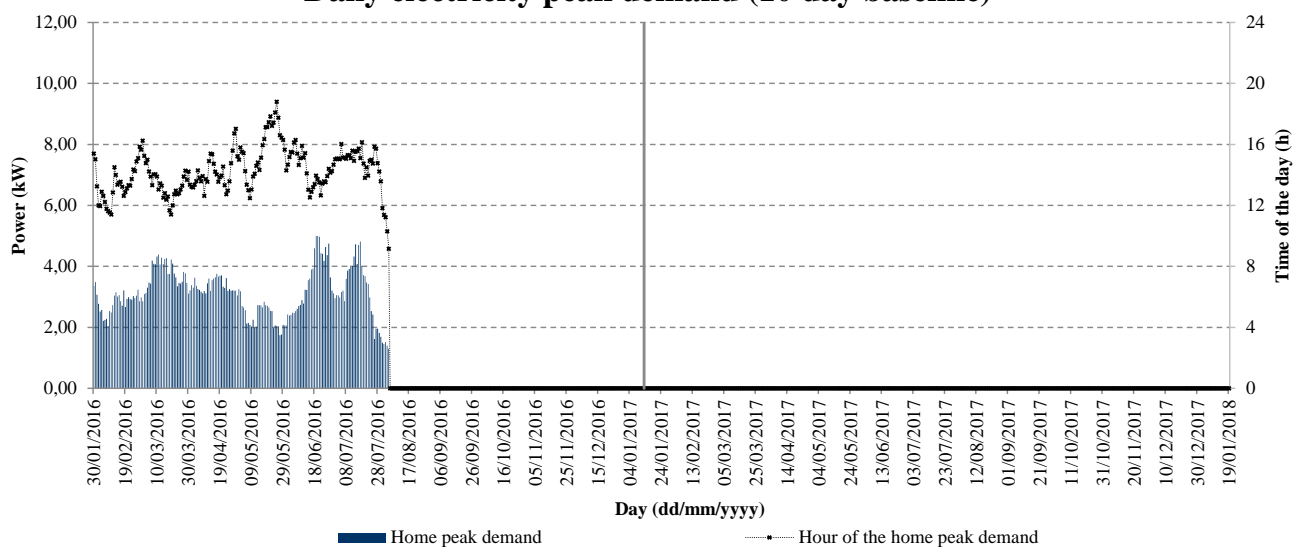
Cumulative electricity consumption



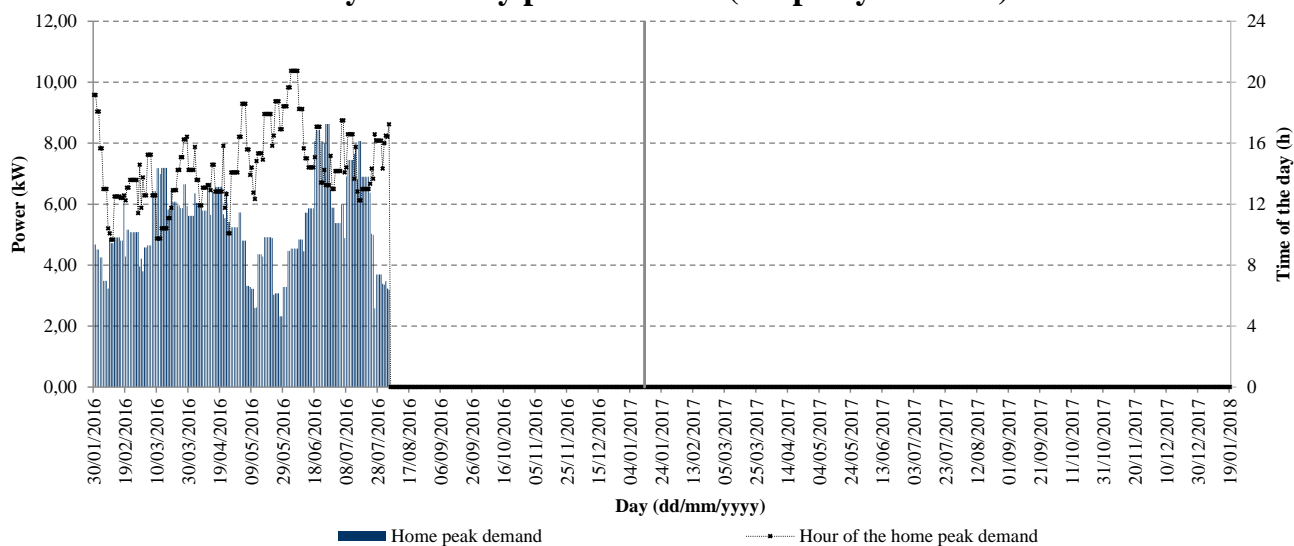
Daily electricity consumption



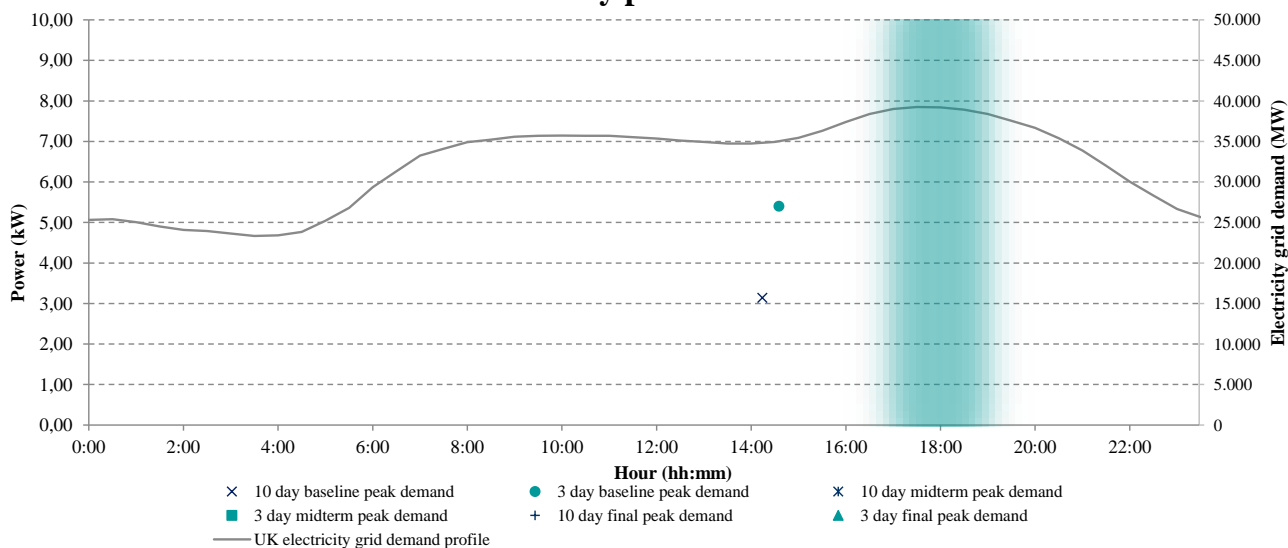
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #003	Dwelling type:	Flat
Construction period:	2007+	Floor area (m²):	55
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	-

Energy characteristics

SAP:	73 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	Solar hot water

Electricity infrastructure characteristics

Manufacturer:	Landys	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	5

Gas infrastructure characteristics

Manufacturer:	Sensus	Type:	Analogue
Model:	Cubix U6		
Location:	Outdoor	Distance aggregator-meter (m):	5

Baseline period

Starting date (dd/mm/yyyy):	21/01/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C) :	1.808,5		

Electricity

Initial meter reading (kWh):	4.598	Final meter reading (kWh):	5.404
10 day baseline peak demand	Power (kW): 1,21	Time (hh:mm):	15 h 43 min
3 day baseline peak demand	Power (kW): 2,14	Time (hh:mm):	15 h 53 min
Demand at the network peak	Power (kW): 0,37	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.041	Final meter reading (m³):	1.118
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Electricity consumption (kWh):	806,0
Gas consumption (kWh):	863,0
Total energy consumption (kWh):	1.669,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	30/05/2017
Heating Degree Days (°C) :	852,5		

Electricity

Initial meter reading (kWh):	5.404	Final meter reading (kWh):	5.656
10 day baseline peak demand	Power (kW): 1,07	Time (hh:mm):	16 h 24 min
3 day baseline peak demand	Power (kW): 1,93	Time (hh:mm):	14 h 47 min
Demand at the network peak	Power (kW): 0,34	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.118	Final meter reading (m³):	1.209
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Electricity consumption (kWh):	252,0
Gas consumption (kWh):	1.015,9
Total energy consumption (kWh):	1.267,9

Final reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	19/01/2018
Heating Degree Days (°C) :	1.698,0		

Electricity

Initial meter reading (kWh):	5.404	Final meter reading (kWh):	6.154
10 day baseline peak demand	Power (kW): 1,13	Time (hh:mm):	15 h 54 min
3 day baseline peak demand	Power (kW): 2,09	Time (hh:mm):	14 h 58 min
Demand at the network peak	Power (kW): 0,32	Time (hh:mm):	17 h 0 min to 19h 0 min

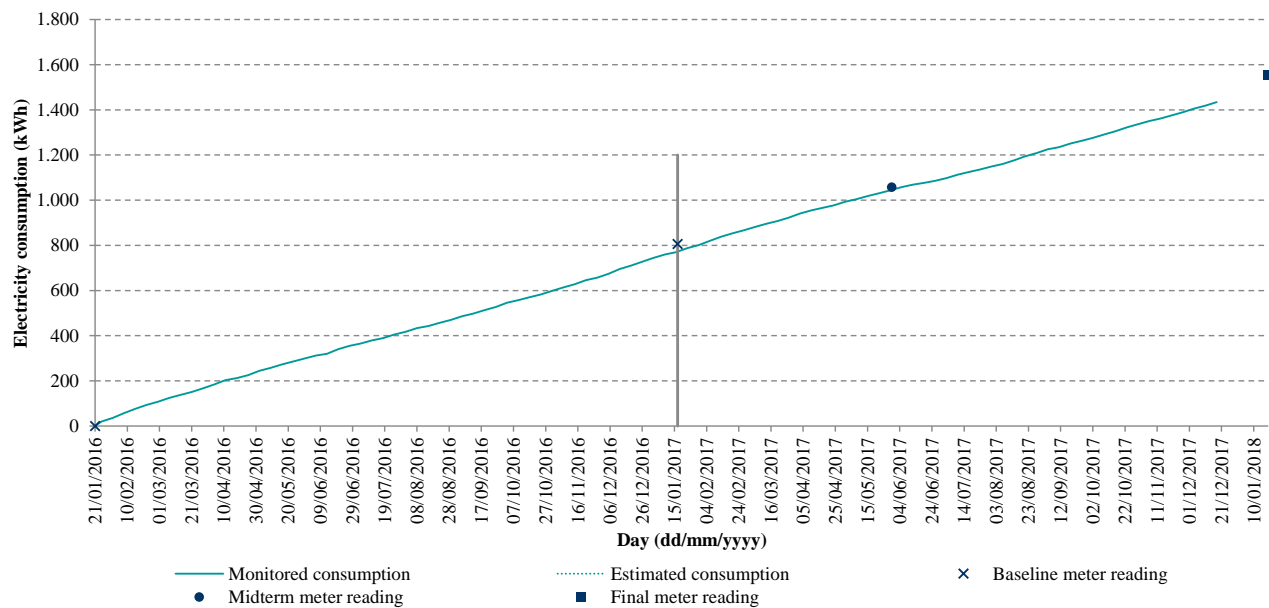
Gas

Initial meter reading (m³):	1.118	Final meter reading (m³):	1.289
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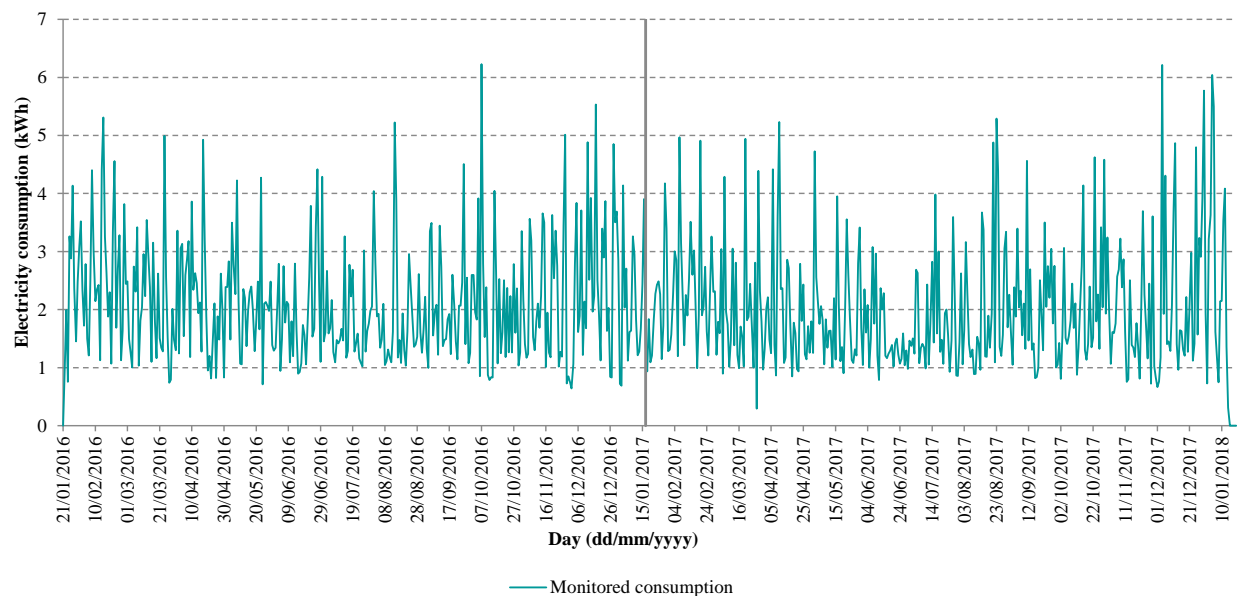
Electricity consumption (kWh):	750,0
Gas consumption (kWh):	1.903,9
Total energy consumption (kWh):	2.653,9

Baseline, midterm and final reporting period

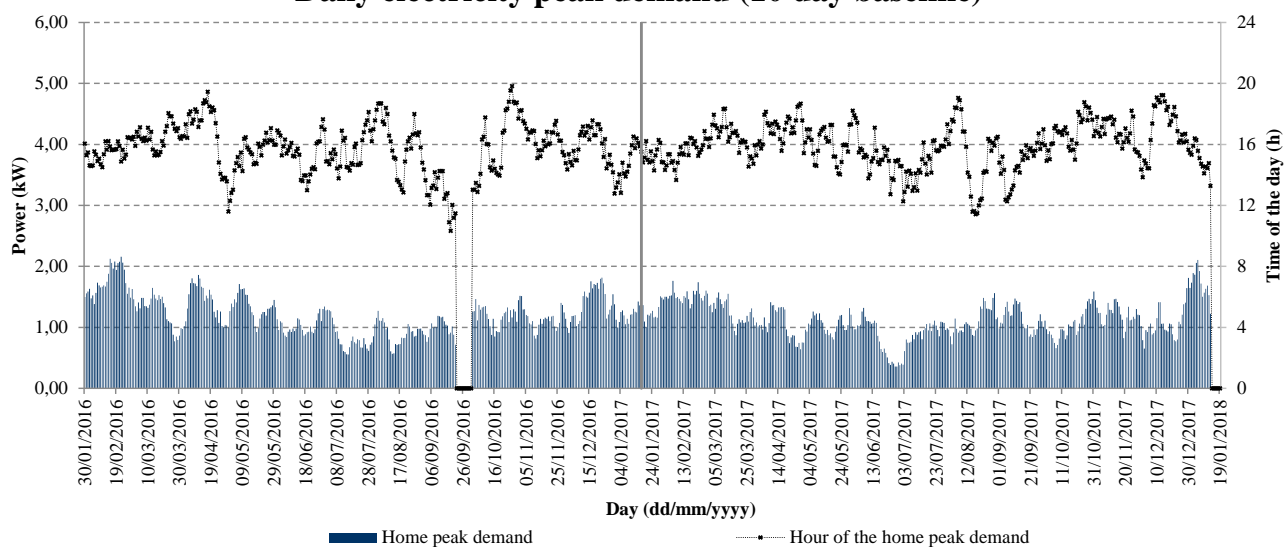
Cumulative electricity consumption



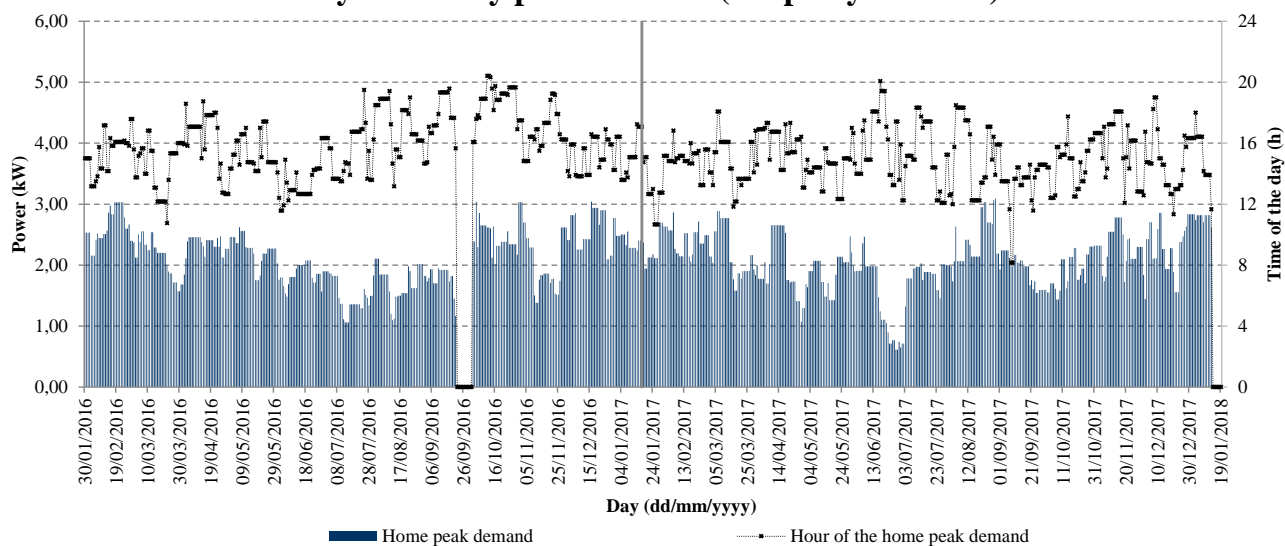
Daily electricity consumption



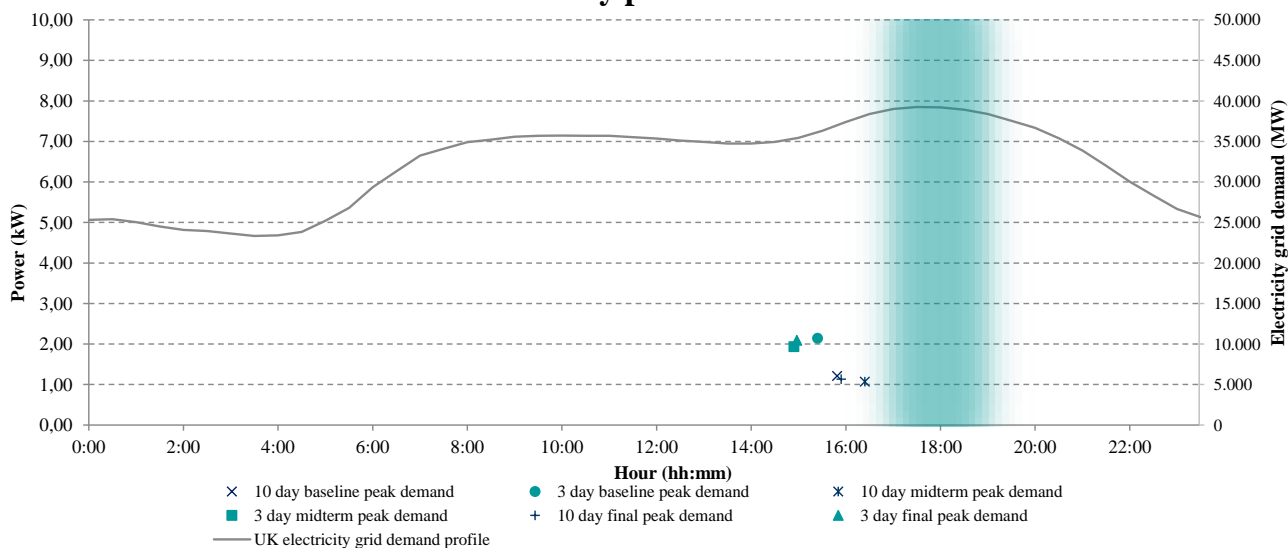
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #004	Dwelling type:	Flat
Construction period:	2007+	Floor area (m²):	45
Number of storeys:	1	Number of habitable rooms:	2
Household size:	2	Internet:	-

Energy characteristics

SAP:	74 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landys	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	15

Gas infrastructure characteristics

Manufacturer:	Sensus	Type:	Analogue
Model:	Cubix U6		
Location:	Outdoor	Distance aggregator-meter (m):	15

Baseline period

Starting date (dd/mm/yyyy):	21/01/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	1.763,0		

Electricity

Initial meter reading (kWh):	8.552	Final meter reading (kWh):	10.417
10 day baseline peak demand	Power (kW): 1,50	Time (hh:mm):	12 h 42 min
3 day baseline peak demand	Power (kW): 2,27	Time (hh:mm):	14 h 37 min
Demand at the network peak	Power (kW): 0,36	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.765	Final meter reading (m³):	2.131
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Electricity consumption (kWh):	1.865,0
Gas consumption (kWh):	4.086,0
Total energy consumption (kWh):	5.951,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	14/05/2017
Heating Degree Days (°C) :	867,0		

Electricity

Initial meter reading (kWh):	10.417	Final meter reading (kWh):	11.031
10 day baseline peak demand	Power (kW): 1,64	Time (hh:mm):	13 h 53 min
3 day baseline peak demand	Power (kW): 2,27	Time (hh:mm):	14 h 58 min
Demand at the network peak	Power (kW): 0,35	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.131	Final meter reading (m³):	2.280
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Electricity consumption (kWh):	614,0
Gas consumption (kWh):	1.663,4
Total energy consumption (kWh):	2.277,4

Final reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	22/01/2018
Heating Degree Days (°C) :	1.766,0		

Electricity

Initial meter reading (kWh):	10.417	Final meter reading (kWh):	12.235
10 day baseline peak demand	Power (kW): 1,62	Time (hh:mm):	12 h 56 min
3 day baseline peak demand	Power (kW): 2,24	Time (hh:mm):	14 h 12 min
Demand at the network peak	Power (kW): 0,36	Time (hh:mm):	17 h 0 min to 19h 0 min

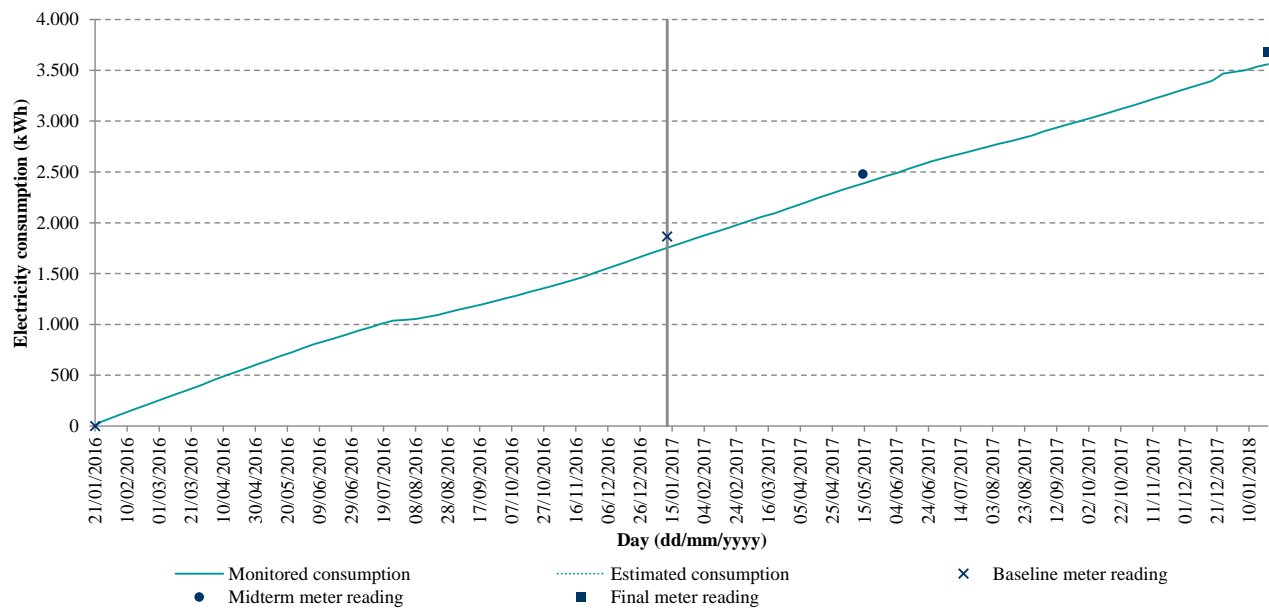
Gas

Initial meter reading (m³):	2.131	Final meter reading (m³):	2.508
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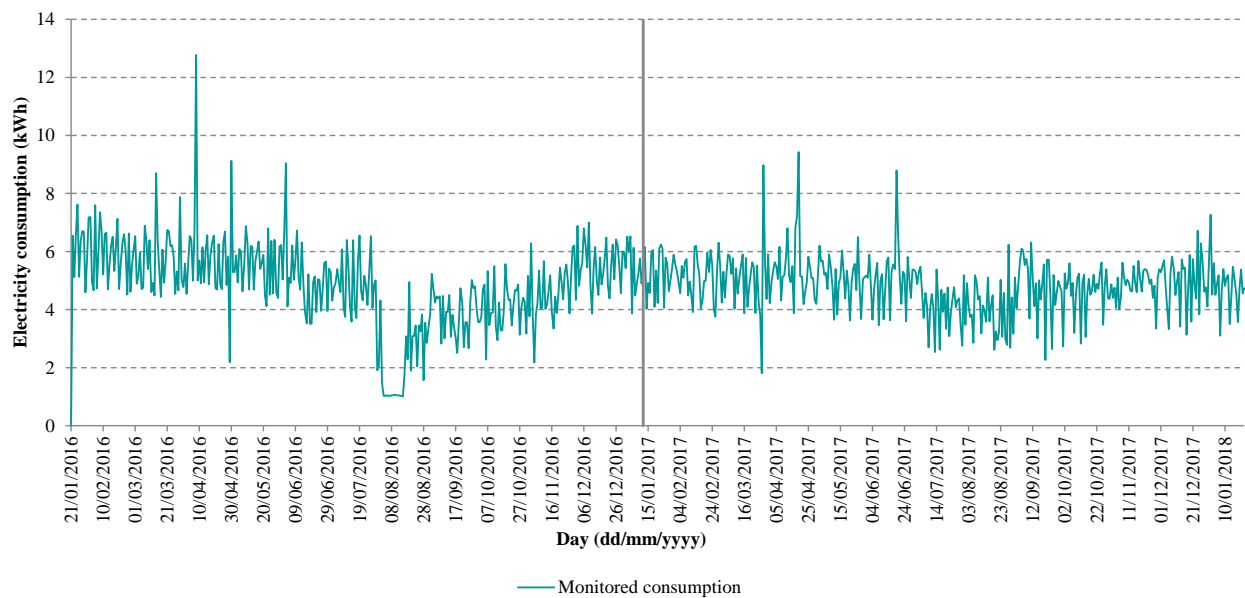
Electricity consumption (kWh):	1.818,0
Gas consumption (kWh):	4.207,6
Total energy consumption (kWh):	6.025,6

Baseline, midterm and final reporting period

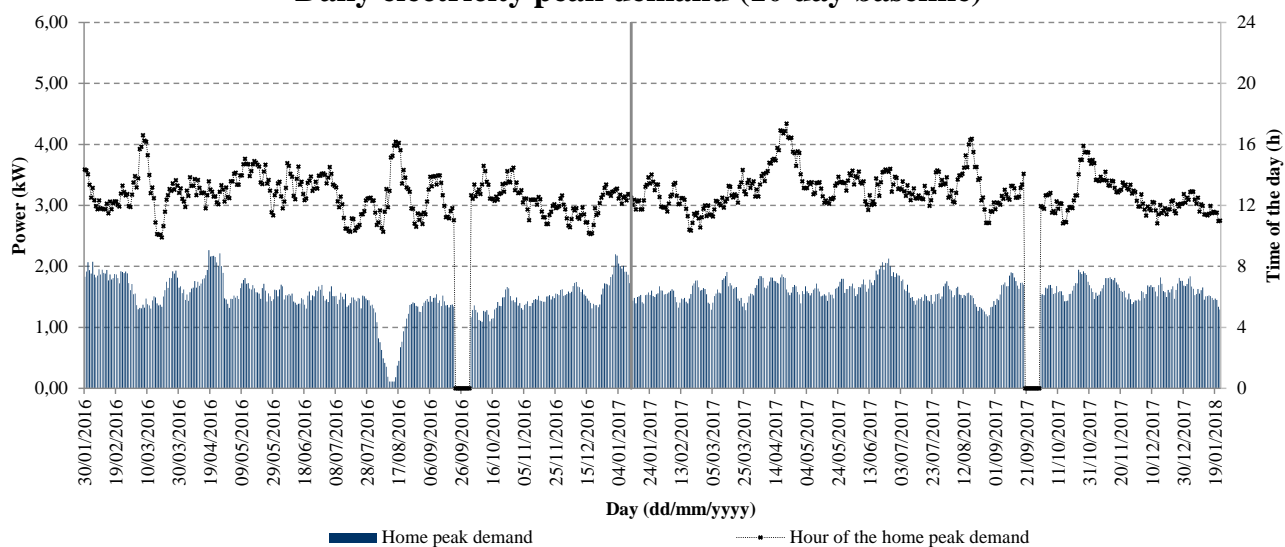
Cumulative electricity consumption



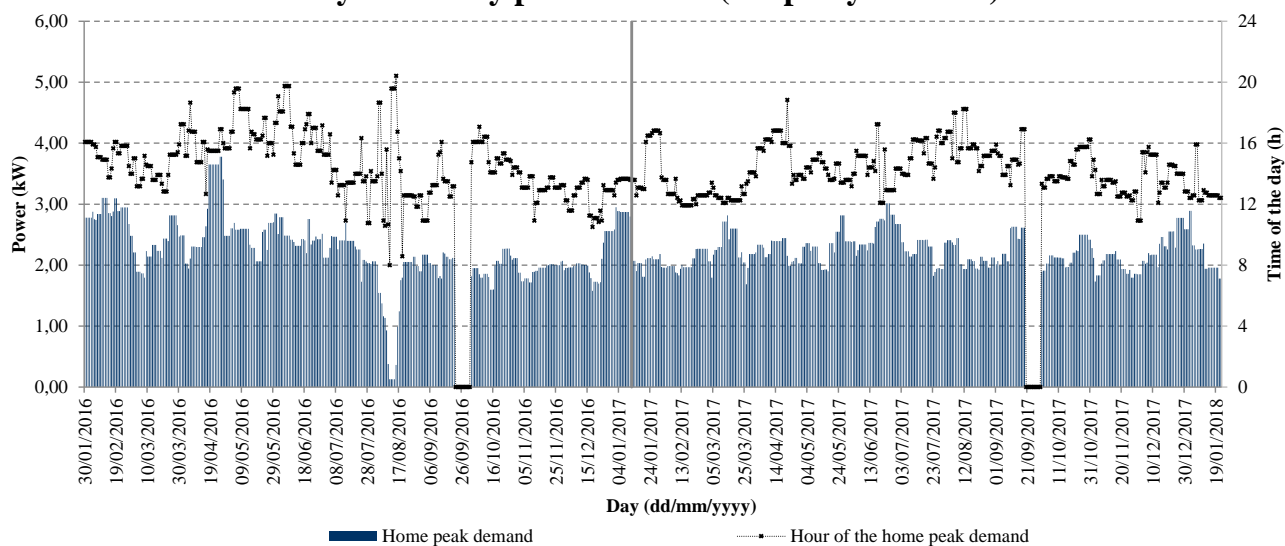
Daily electricity consumption



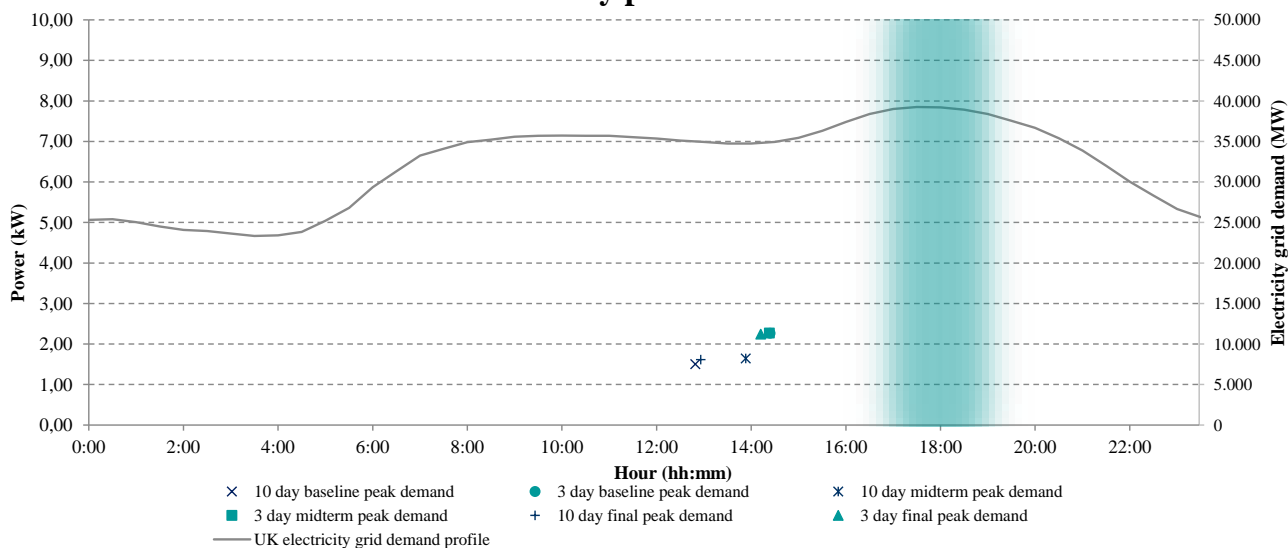
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #005	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	82
Number of storeys:	2	Number of habitable rooms:	4
Household size:	2	Internet:	-

Energy characteristics

SAP:	86 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	Photovoltaics

Electricity infrastructure characteristics

Manufacturer:	Landys	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	10

Gas infrastructure characteristics

Manufacturer:	Sensus	Type:	Analogue
Model:	Cubix U6		
Location:	Outdoor	Distance aggregator-meter (m):	10

Baseline period

Starting date (dd/mm/yyyy):	21/01/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	1.774,5		

Electricity

Initial meter reading (kWh):	6.127	Final meter reading (kWh):	9.836
10 day baseline peak demand	Power (kW): 6,34	Time (hh:mm):	14 h 35 min
3 day baseline peak demand	Power (kW): 8,66	Time (hh:mm):	14 h 7 min
Demand at the network peak	Power (kW): 0,61	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.551	Final meter reading (m³):	1.978
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Electricity consumption (kWh):	3.709,0
Gas consumption (kWh):	4.767,0
Total energy consumption (kWh):	8.476,0

Midterm reporting period			
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Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity			
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Initial meter reading (kWh):	9.836	Final meter reading (kWh):	-
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	1.978	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
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Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	17/01/2018
Heating Degree Days (°C) :	1.714,0		

Electricity			
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Initial meter reading (kWh):	9.836	Final meter reading (kWh):	2.532
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

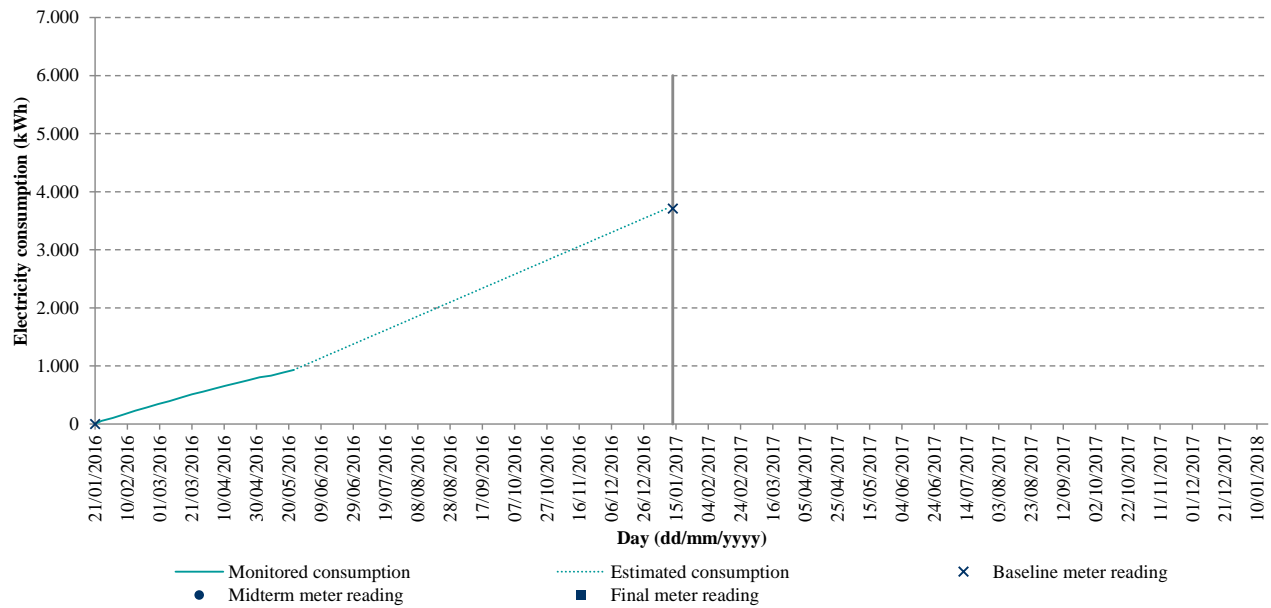
Gas			
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Initial meter reading (m³):	1.978	Final meter reading (m³):	288
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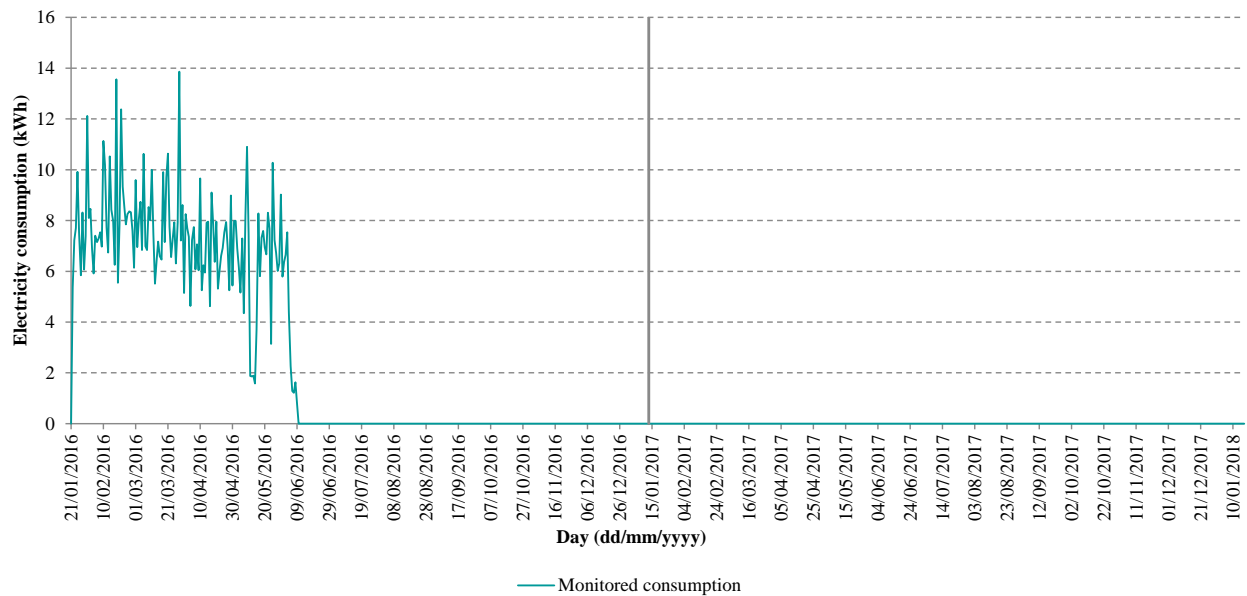
Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Baseline, midterm and final reporting period

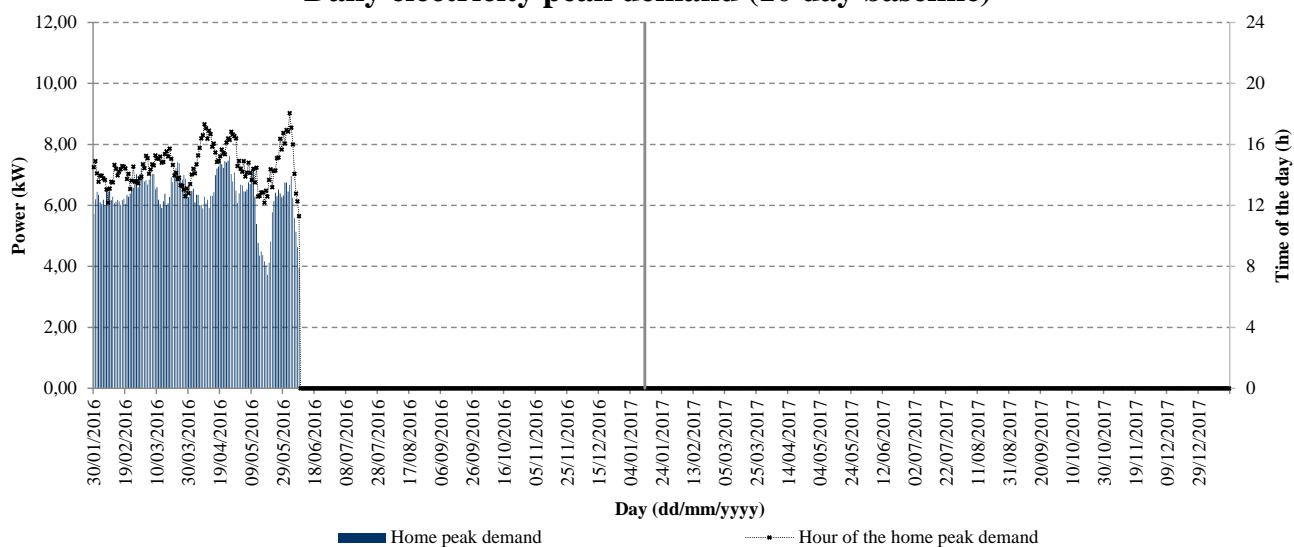
Cumulative electricity consumption



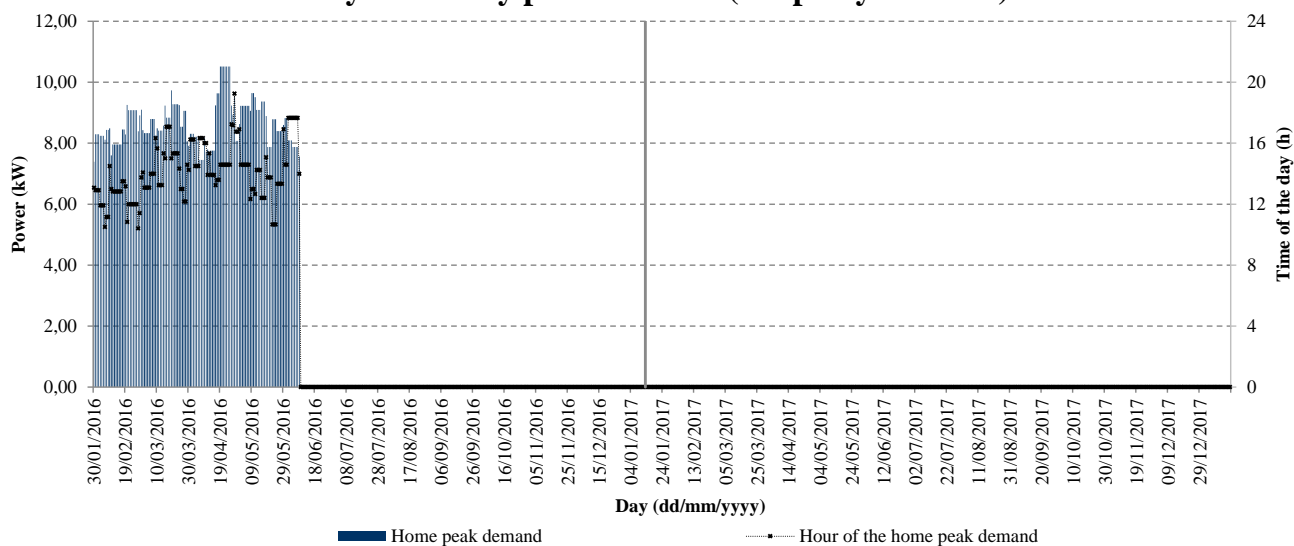
Daily electricity consumption



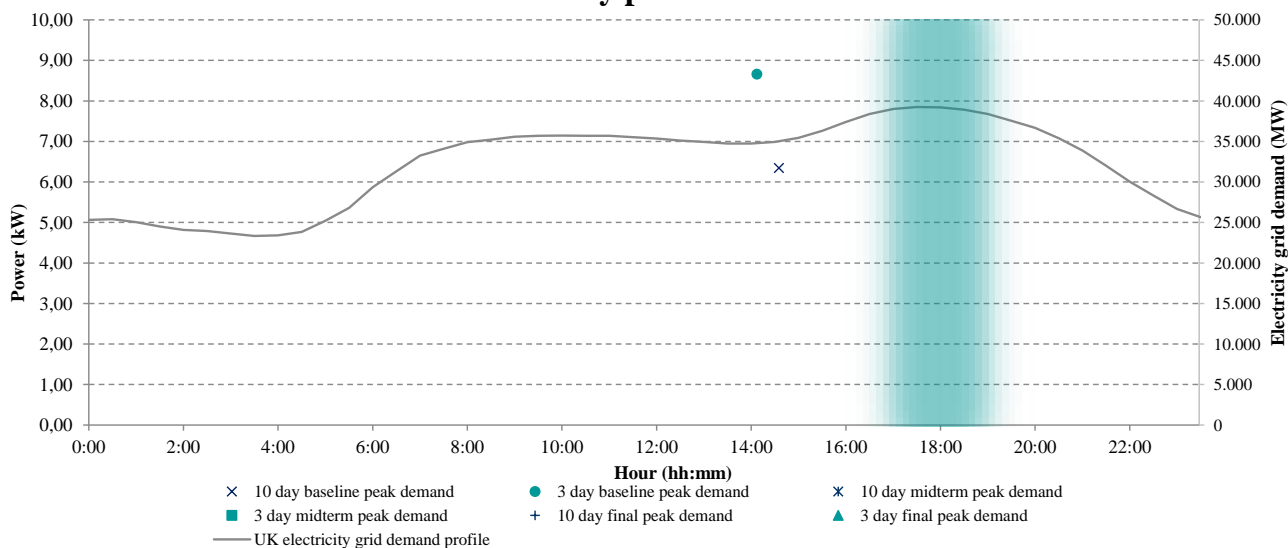
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #006	Dwelling type:	Flat
Construction period:	1976-1982	Floor area (m²):	72
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	63D	Energy:	Electric only
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	2

Gas infrastructure characteristics

Manufacturer:	-	Type:	-
Model:	-		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	10/02/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	1.611,0		

Electricity

Initial meter reading (kWh):	5.818	Final meter reading (kWh):	9.032
10 day baseline peak demand	Power (kW): 3,43	Time (hh:mm):	5 h 7 min
3 day baseline peak demand	Power (kW): 4,41	Time (hh:mm):	5 h 38 min
Demand at the network peak	Power (kW): 1,00	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	3.214,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	3.214,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	10/05/2017
Heating Degree Days (°C) :	853,0		

Electricity

Initial meter reading (kWh):	9.032	Final meter reading (kWh):	10.229
10 day baseline peak demand	Power (kW): 3,56	Time (hh:mm):	3 h 10 min
3 day baseline peak demand	Power (kW): 4,03	Time (hh:mm):	4 h 46 min
Demand at the network peak	Power (kW): 0,90	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.197,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	1.197,0

Final reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	24/01/2018
Heating Degree Days (°C) :	1.778,0		

Electricity

Initial meter reading (kWh):	9.032	Final meter reading (kWh):	13.043
10 day baseline peak demand	Power (kW): 4,13	Time (hh:mm):	3 h 27 min
3 day baseline peak demand	Power (kW): 4,97	Time (hh:mm):	4 h 26 min
Demand at the network peak	Power (kW): 1,02	Time (hh:mm):	17 h 0 min to 19h 0 min

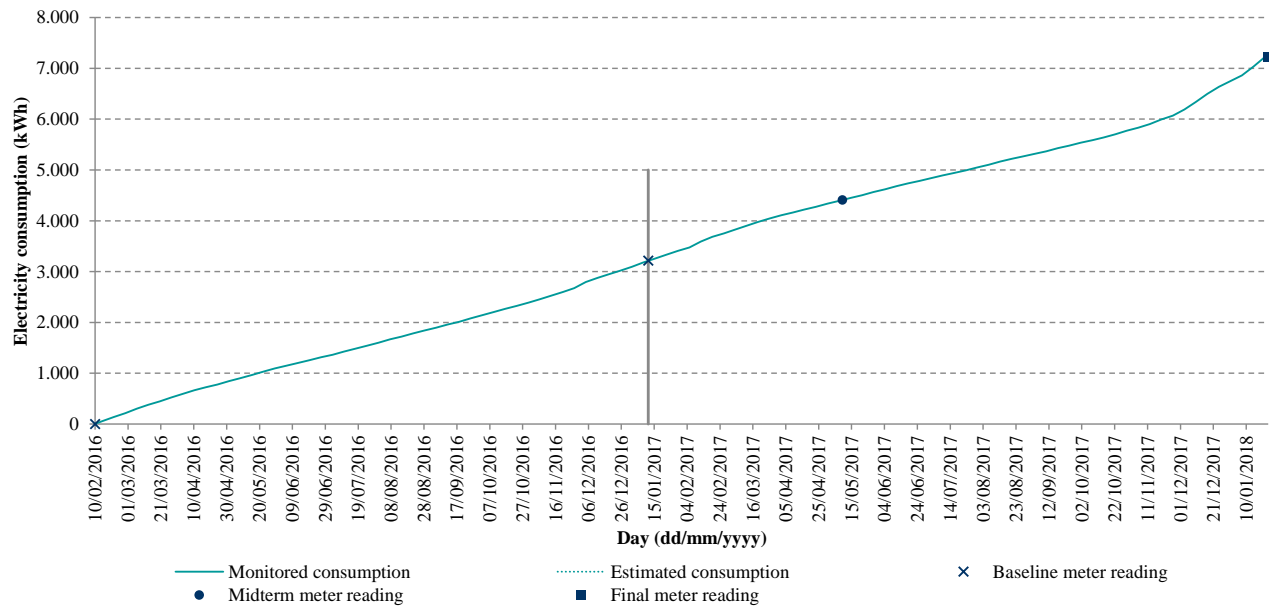
Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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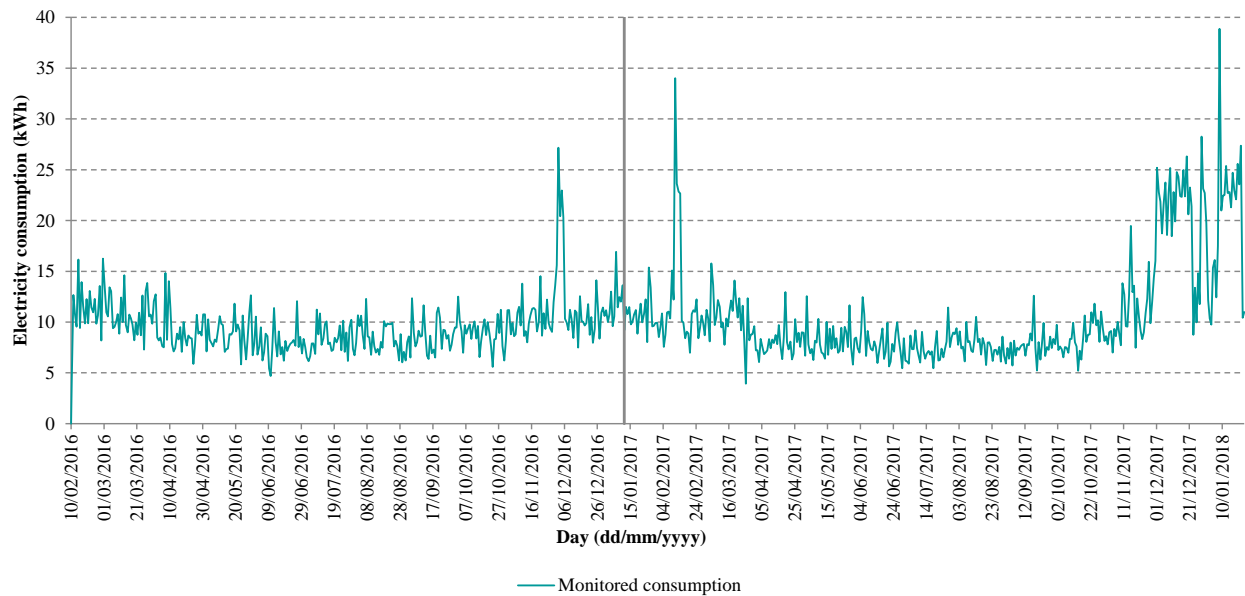
Electricity consumption (kWh):	4.011,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	4.011,0

Baseline, midterm and final reporting period

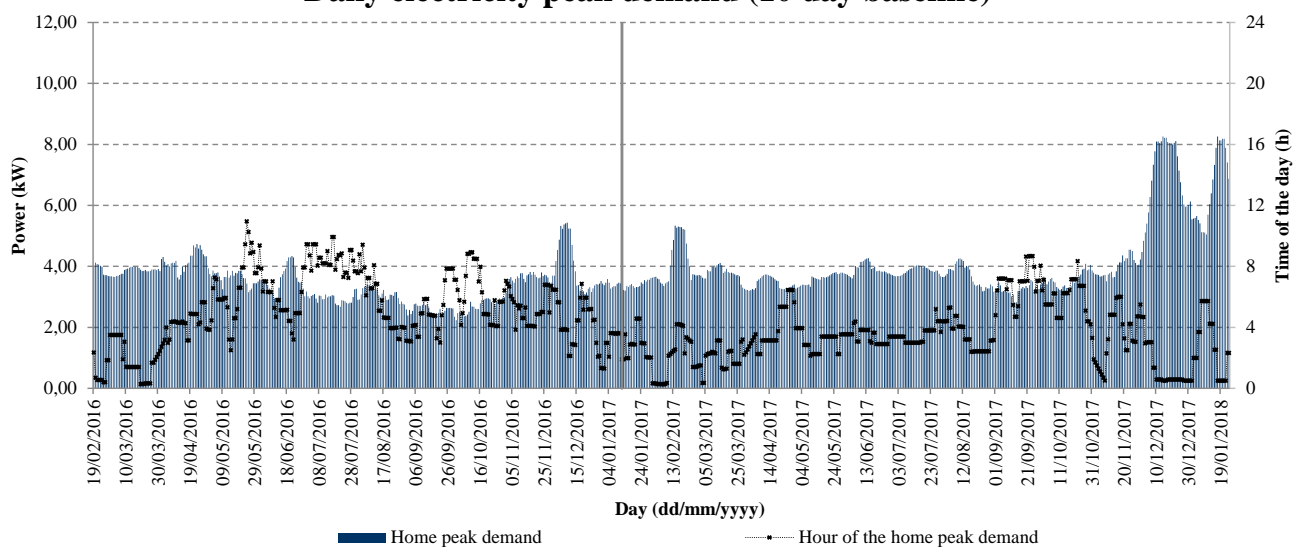
Cumulative electricity consumption



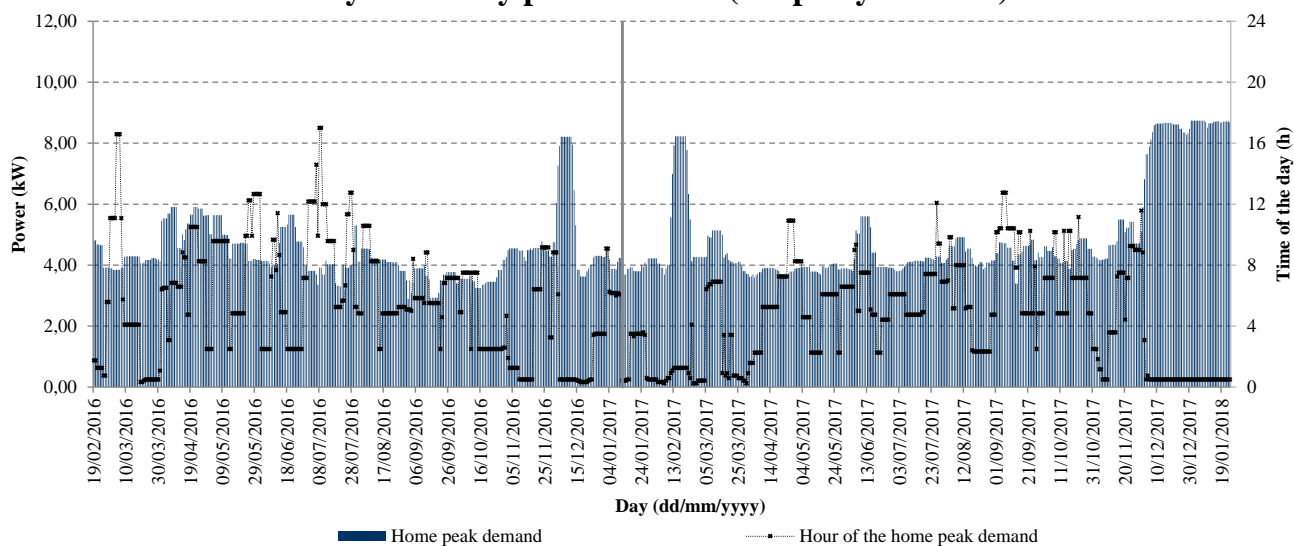
Daily electricity consumption



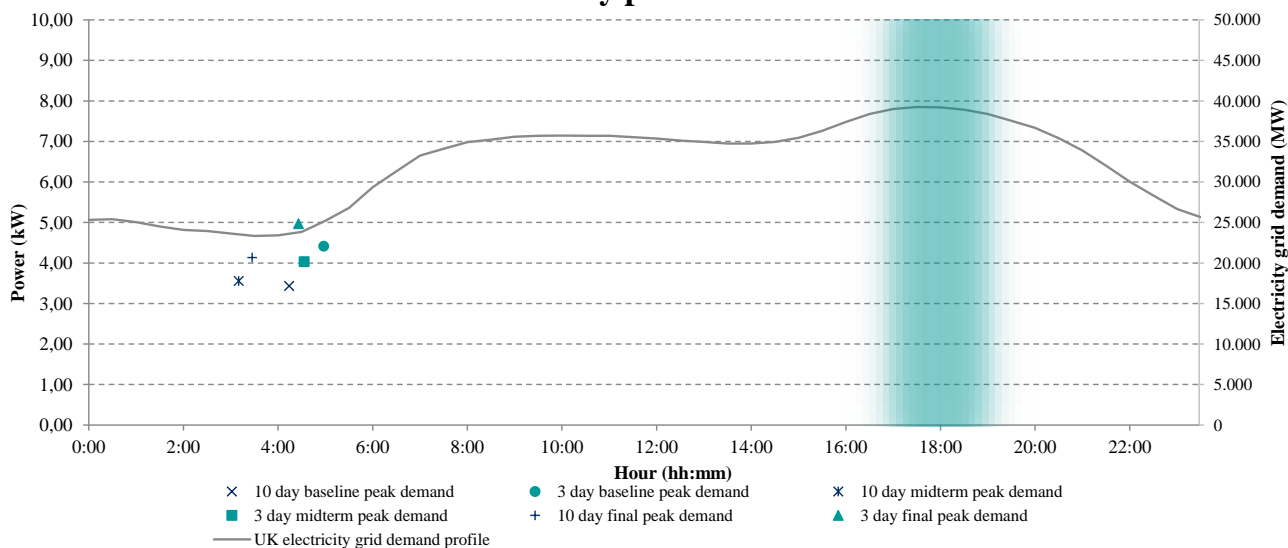
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #007	Dwelling type:	Mid Terrace House
Construction period:	1967-1975	Floor area (m²):	80
Number of storeys:	1	Number of habitable rooms:	3
Household size:	3	Internet:	Yes

Energy characteristics

SAP:	63D	Energy:	Gas and Electric
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Talexus	Type:	Pre-payment
Model:	ACE9000 KBD	Conversion factor (impulses/kWh):	800
Location:	indoor	Distance aggregator-meter (m):	1.5

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Pre-payment
Model:	-		
Location:	Outdoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	17/03/2016	Final date (dd/mm/yyyy):	26/01/2017
Heating Degree Days (°C) :	1.376,0		

Electricity

Initial meter reading (kWh):	12.157	Final meter reading (kWh):	14.961
10 day baseline peak demand	Power (kW): 5,18	Time (hh:mm):	13 h 12 min
3 day baseline peak demand	Power (kW): 9,05	Time (hh:mm):	13 h 5 min
Demand at the network peak	Power (kW): 0,84	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	3.879	Final meter reading (m³):	4.233
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Electricity consumption (kWh):	2.804,0
Gas consumption (kWh):	3.952,0
Total energy consumption (kWh):	6.756,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	26/01/2017	Final date (dd/mm/yyyy):	14/05/2017
Heating Degree Days (°C) :	727,0		

Electricity

Initial meter reading (kWh):	14.961	Final meter reading (kWh):	15.911
10 day baseline peak demand	Power (kW): 5,68	Time (hh:mm):	11 h 43 min
3 day baseline peak demand	Power (kW): 10,10	Time (hh:mm):	9 h 53 min
Demand at the network peak	Power (kW): 0,74	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	4.233	Final meter reading (m³):	4.413
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Electricity consumption (kWh):	950,0
Gas consumption (kWh):	2.009,5
Total energy consumption (kWh):	2.959,5

Final reporting period			
Starting date (dd/mm/yyyy):	26/01/2017	Final date (dd/mm/yyyy):	19/01/2018
Heating Degree Days (°C) :	1.605,5		

Electricity

Initial meter reading (kWh):	14.961	Final meter reading (kWh):	18.278
10 day baseline peak demand	Power (kW): 4,92	Time (hh:mm):	12 h 45 min
3 day baseline peak demand	Power (kW): 8,36	Time (hh:mm):	11 h 23 min
Demand at the network peak	Power (kW): 0,84	Time (hh:mm):	17 h 0 min to 19h 0 min

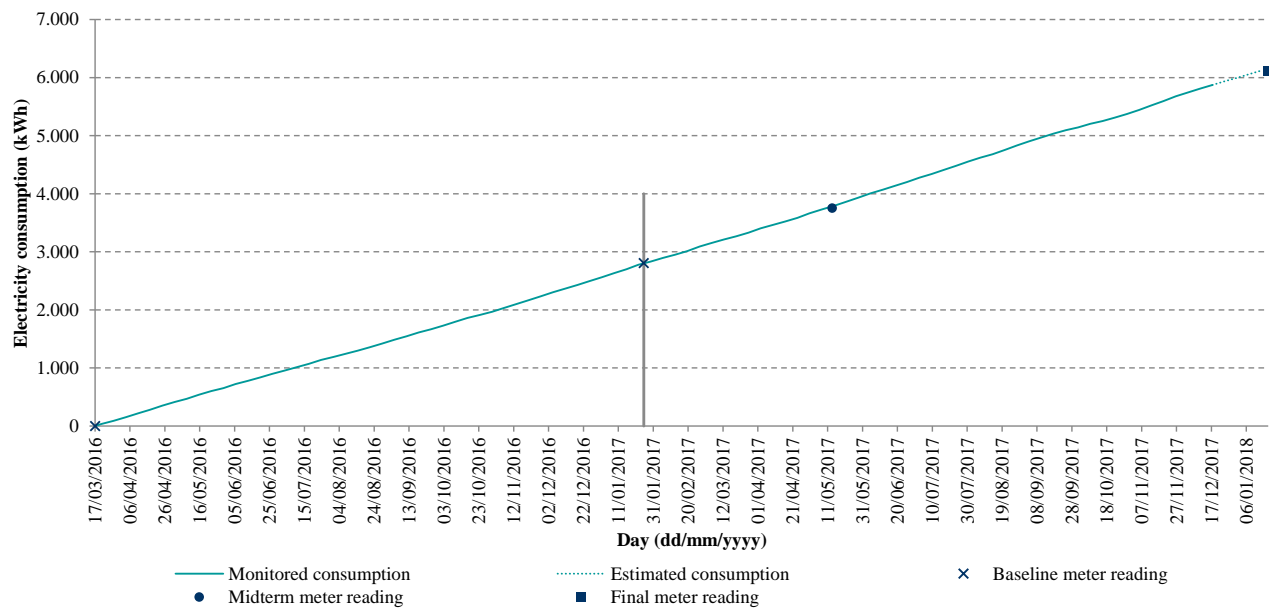
Gas

Initial meter reading (m³):	4.233	Final meter reading (m³):	4.645
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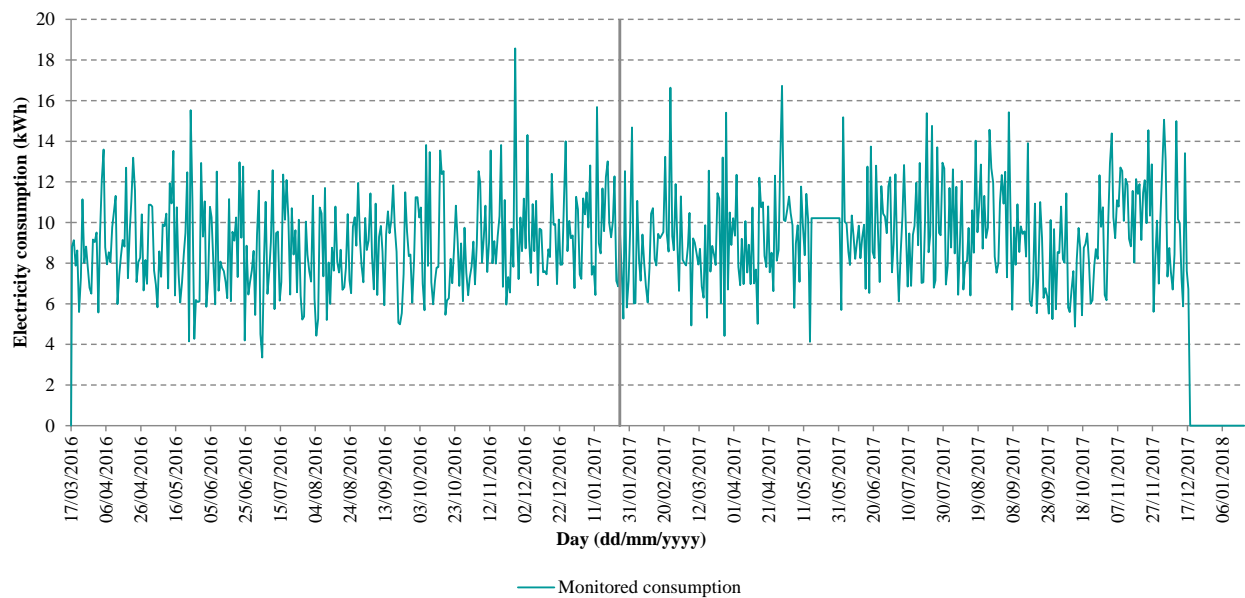
Electricity consumption (kWh):	3.316,8
Gas consumption (kWh):	4.604,5
Total energy consumption (kWh):	7.921,3

Baseline, midterm and final reporting period

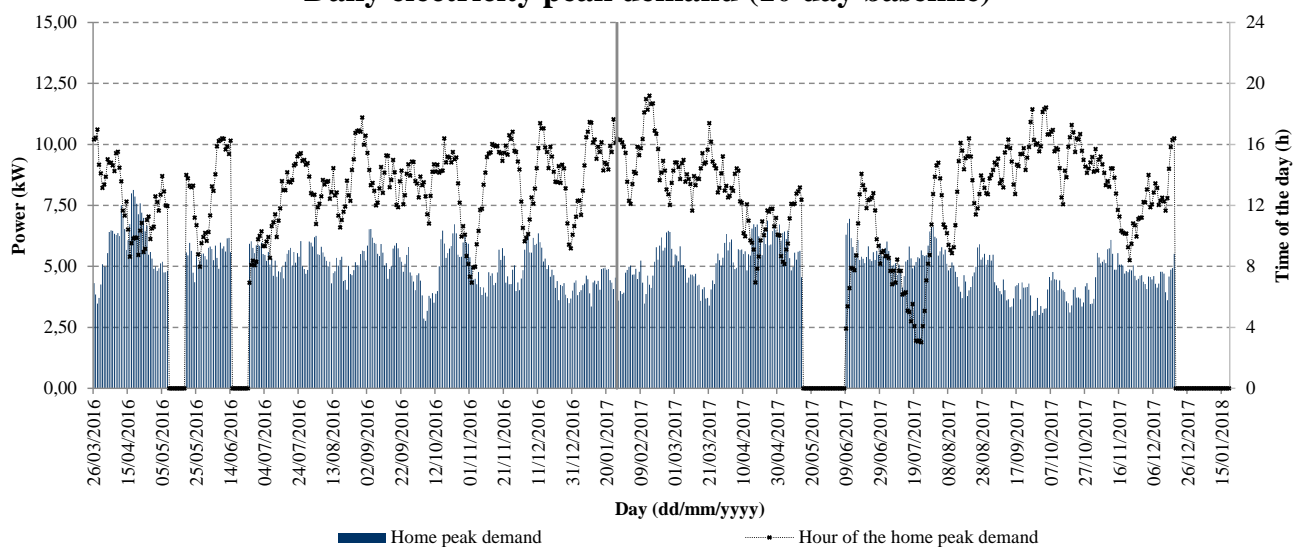
Cumulative electricity consumption



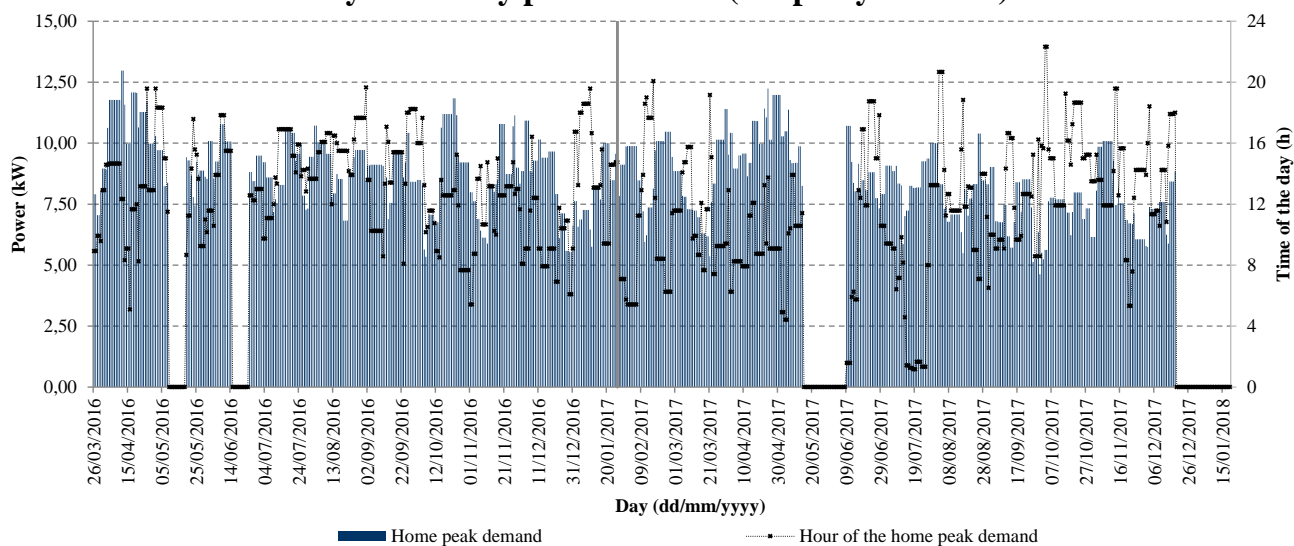
Daily electricity consumption



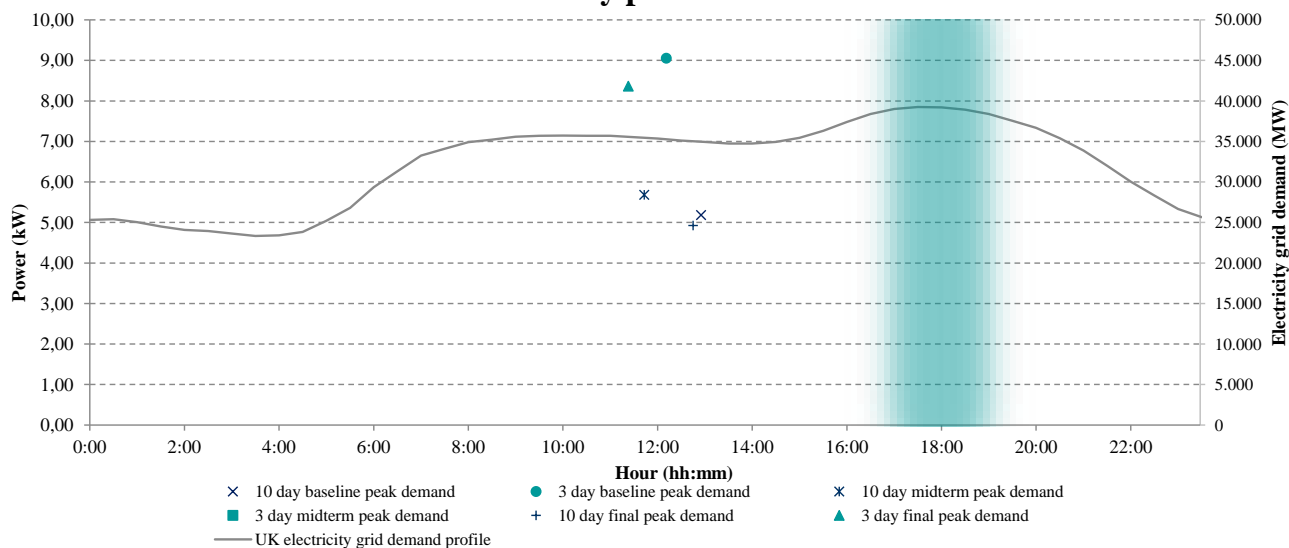
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #008	Dwelling type:	Flat
Construction period:	1983-1990	Floor area (m²):	60
Number of storeys:	1	Number of habitable rooms:	2
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	59 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	52350	Conversion factor (impulses/kWh):	1000
Location:	Outdoor	Distance aggregator-meter (m):	3

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	-		
Location:	Outdoor	Distance aggregator-meter (m):	4

Baseline period

Starting date (dd/mm/yyyy):	10/02/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C) :	1.656,5		

Electricity

Initial meter reading (kWh):	7.061	Final meter reading (kWh):	8.616
10 day baseline peak demand	Power (kW): 2,12	Time (hh:mm):	14 h 33 min
3 day baseline peak demand	Power (kW): 3,56	Time (hh:mm):	12 h 23 min
Demand at the network peak	Power (kW): 0,60	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	885	Final meter reading (m³):	1.081
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Electricity consumption (kWh):	1.555,0
Gas consumption (kWh):	2.188,1
Total energy consumption (kWh):	3.743,1

Midterm reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	11/06/2017
Heating Degree Days (°C) :	875,0		

Electricity

Initial meter reading (kWh):	8.616	Final meter reading (kWh):	9.256
10 day baseline peak demand	Power (kW): 1,93	Time (hh:mm):	15 h 24 min
3 day baseline peak demand	Power (kW): 3,22	Time (hh:mm):	13 h 10 min
Demand at the network peak	Power (kW): 0,67	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.081	Final meter reading (m³):	1.165
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Electricity consumption (kWh):	640,0
Gas consumption (kWh):	937,8
Total energy consumption (kWh):	1.577,8

Final reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	16/01/2018
Heating Degree Days (°C) :	1.667,5		

Electricity

Initial meter reading (kWh):	8.616	Final meter reading (kWh):	10.276
10 day baseline peak demand	Power (kW): 2,10	Time (hh:mm):	14 h 21 min
3 day baseline peak demand	Power (kW): 3,55	Time (hh:mm):	12 h 15 min
Demand at the network peak	Power (kW): 0,67	Time (hh:mm):	17 h 0 min to 19h 0 min

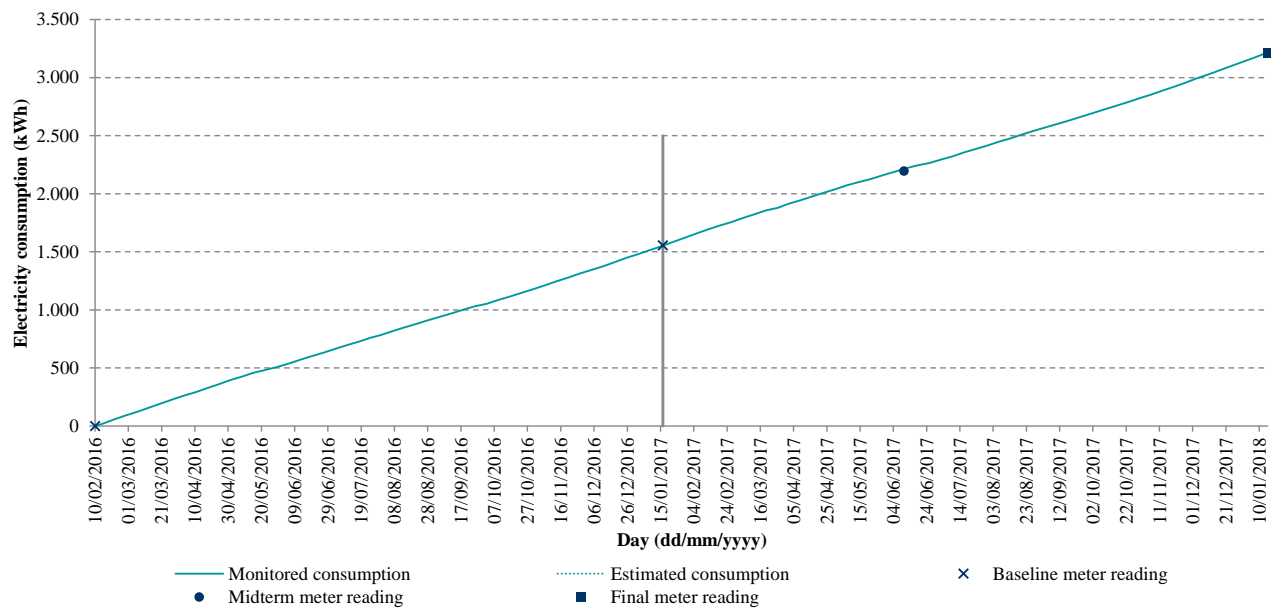
Gas

Initial meter reading (m³):	1.081	Final meter reading (m³):	317
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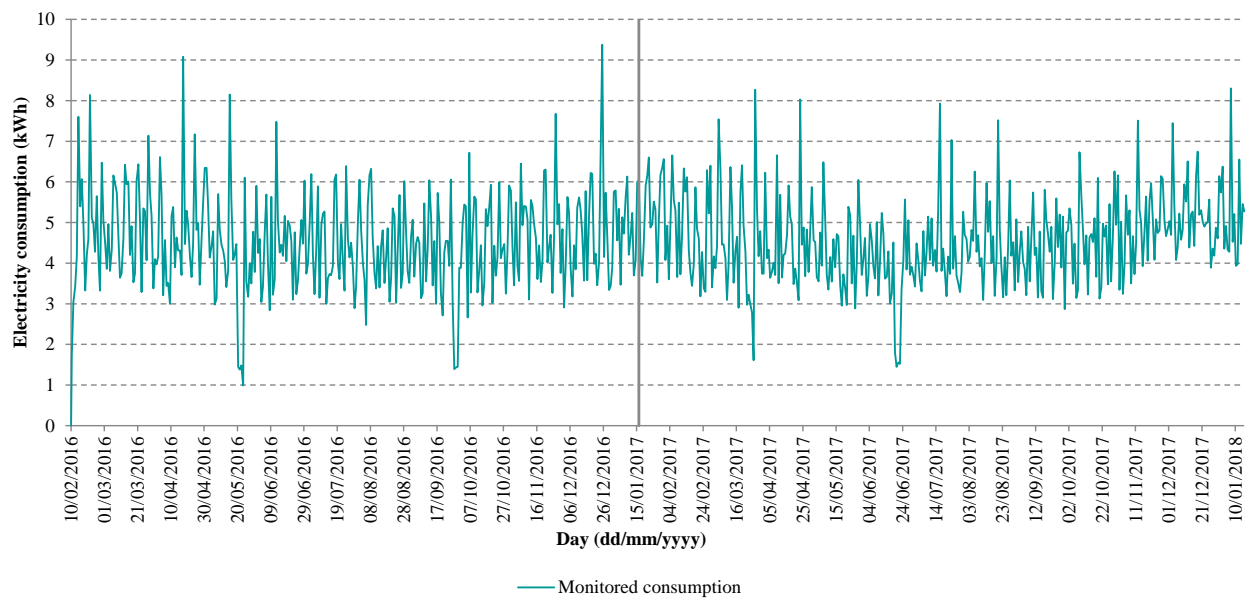
Electricity consumption (kWh):	1.660,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Baseline, midterm and final reporting period

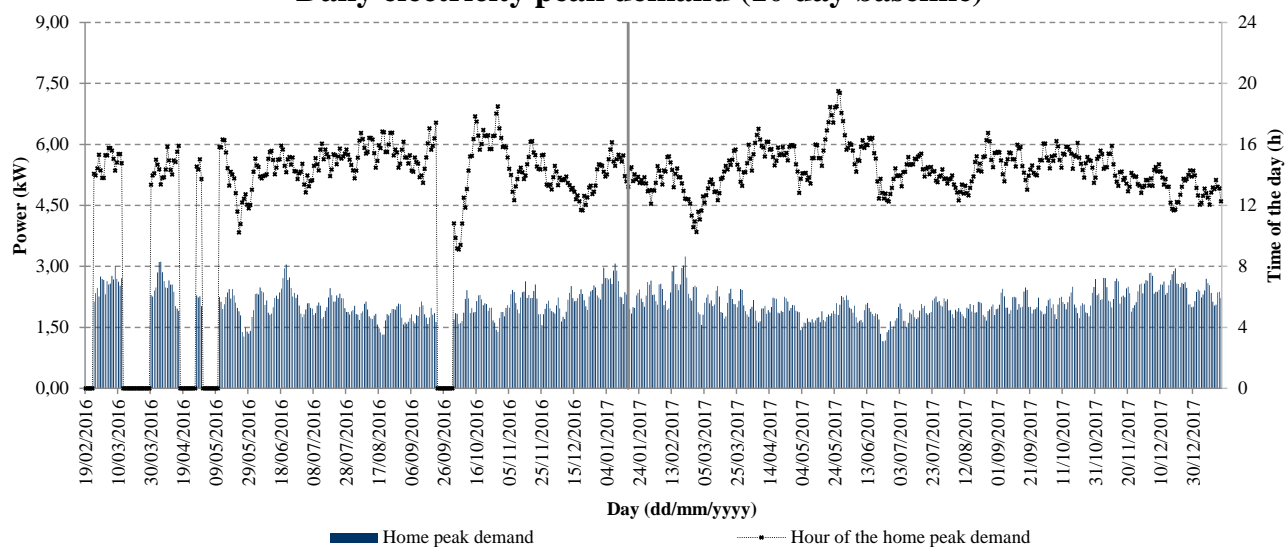
Cumulative electricity consumption



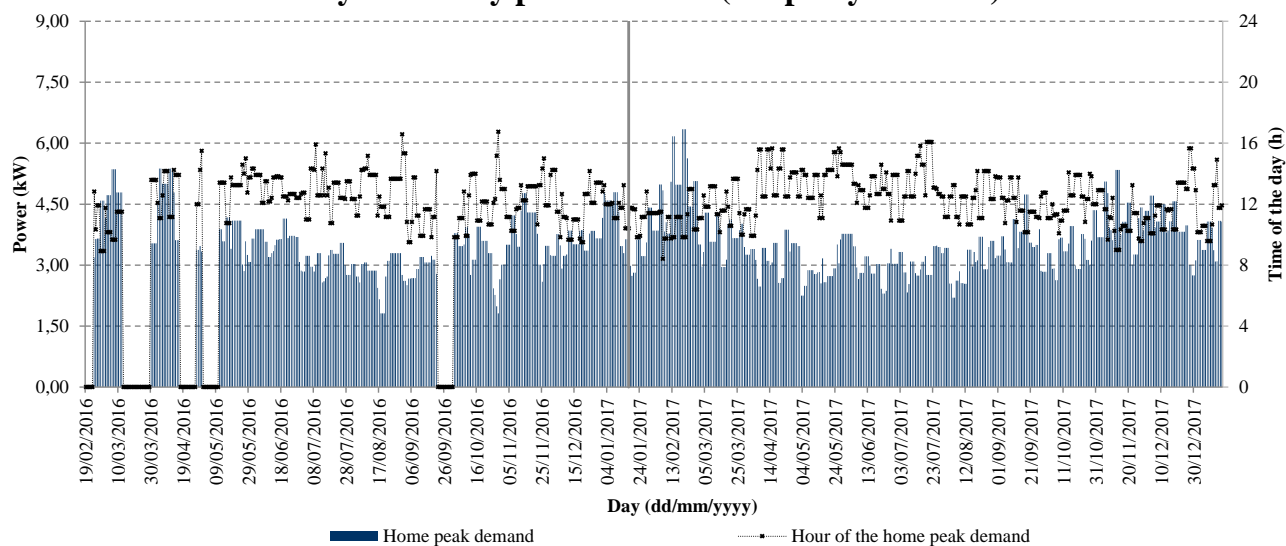
Daily electricity consumption



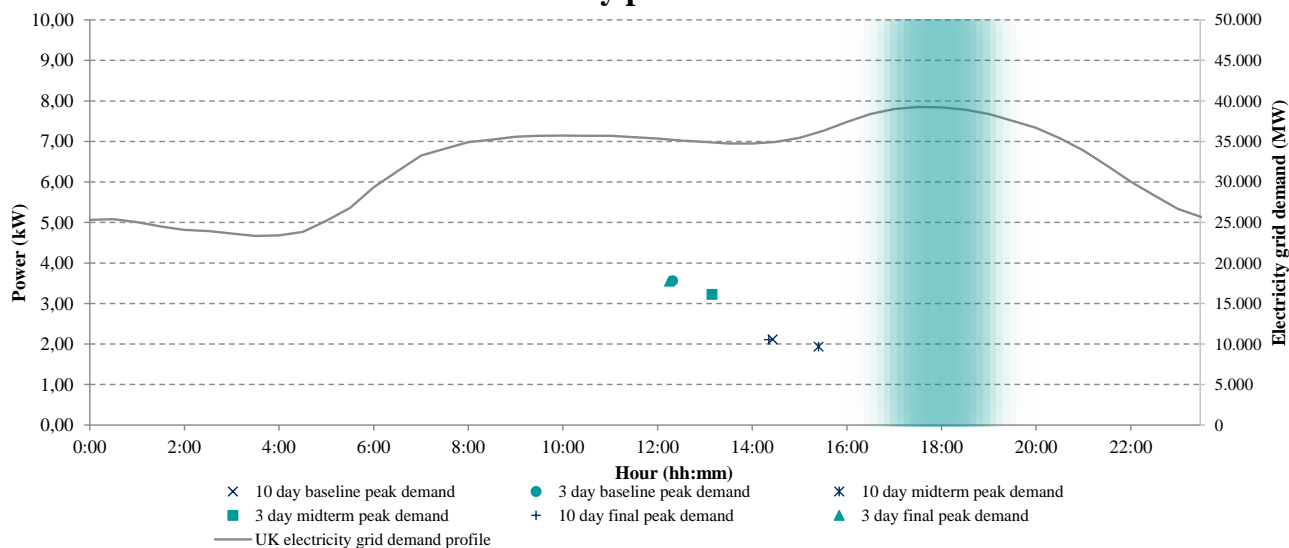
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #009	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	104
Number of storeys:	3	Number of habitable rooms:	5
Household size:	3	Internet:	Yes

Energy characteristics

SAP:	84 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E470	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Cubix	Type:	Analogue
Model:	U6		
Location:	Indoor	Distance aggregator-meter (m):	1,5

Baseline period

Starting date (dd/mm/yyyy):	17/03/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.224,5		

Electricity

Initial meter reading (kWh):	16.050	Final meter reading (kWh):	20.543
10 day baseline peak demand	Power (kW): 3,59	Time (hh:mm):	15 h 29 min
3 day baseline peak demand	Power (kW): 5,31	Time (hh:mm):	15 h 51 min
Demand at the network peak	Power (kW): 1,71	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.758	Final meter reading (m³):	3.194
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Electricity consumption (kWh):	4.493,0
Gas consumption (kWh):	4.867,4
Total energy consumption (kWh):	9.360,4

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	11/06/2017
Heating Degree Days (°C) :	928,0		

Electricity

Initial meter reading (kWh):	20.543	Final meter reading (kWh):	23.158
10 day baseline peak demand	Power (kW): 4,11	Time (hh:mm):	15 h 51 min
3 day baseline peak demand	Power (kW): 6,07	Time (hh:mm):	17 h 23 min
Demand at the network peak	Power (kW): 1,90	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	3.194	Final meter reading (m³):	3.502
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Electricity consumption (kWh):	2.615,0
Gas consumption (kWh):	3.438,5
Total energy consumption (kWh):	6.053,5

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	18/01/2018
Heating Degree Days (°C) :	1.739,5		

Electricity

Initial meter reading (kWh):	20.543	Final meter reading (kWh):	27.695
10 day baseline peak demand	Power (kW): 4,44	Time (hh:mm):	15 h 42 min
3 day baseline peak demand	Power (kW): 6,46	Time (hh:mm):	15 h 57 min
Demand at the network peak	Power (kW): 2,00	Time (hh:mm):	17 h 0 min to 19h 0 min

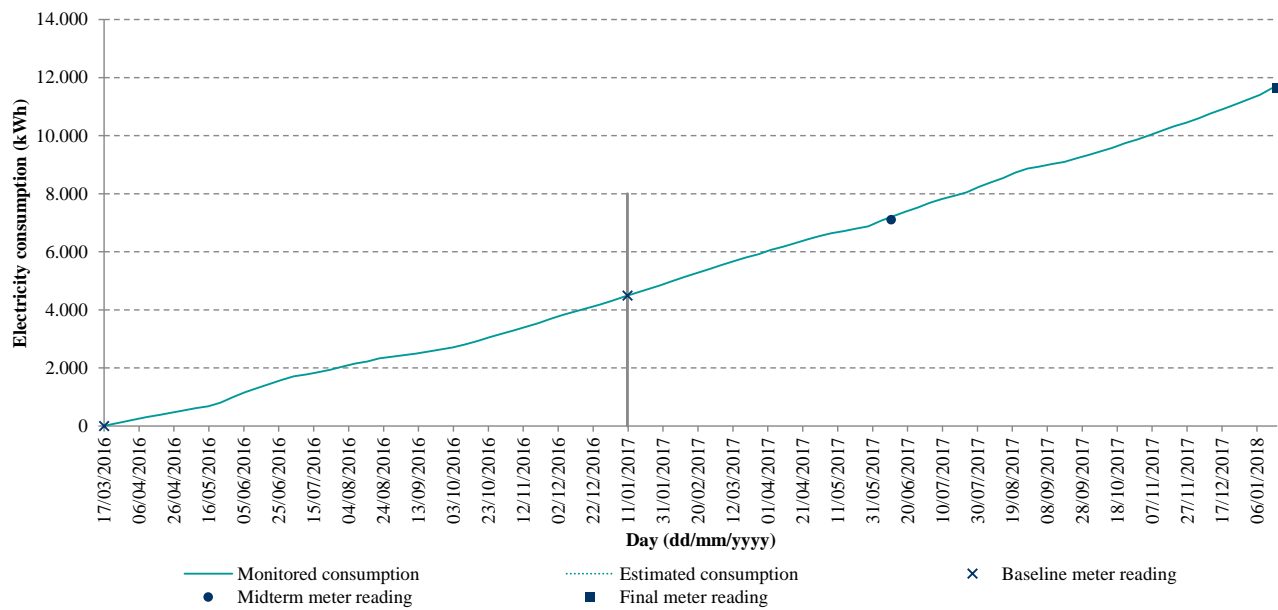
Gas

Initial meter reading (m³):	3.194	Final meter reading (m³):	3.780
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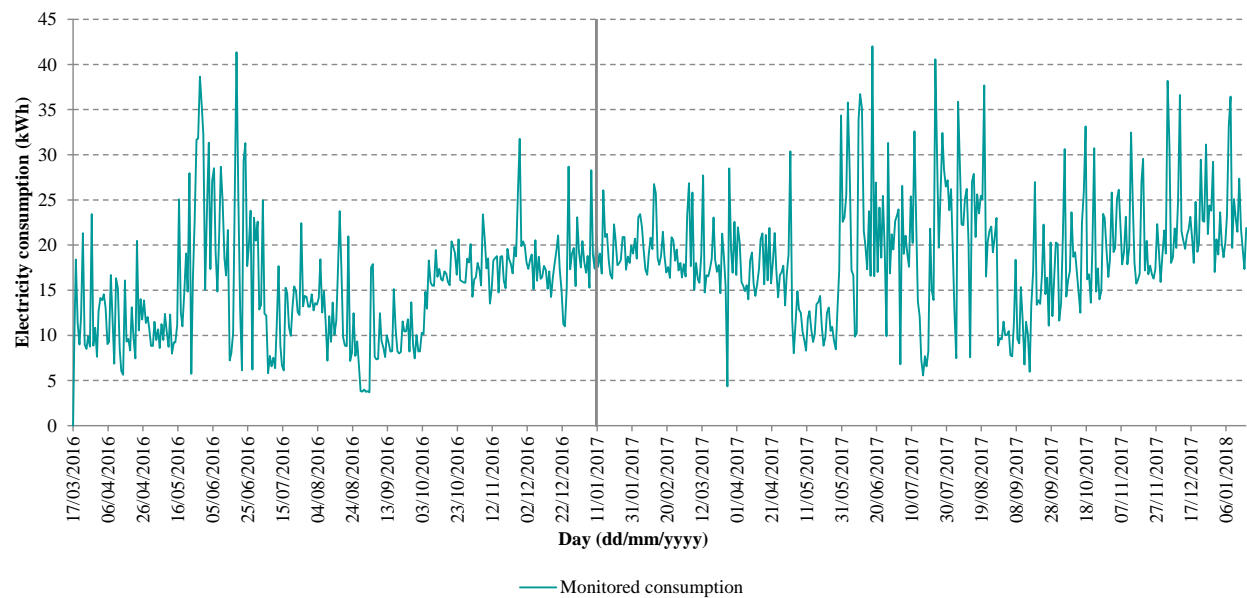
Electricity consumption (kWh):	7.152,0
Gas consumption (kWh):	6.541,6
Total energy consumption (kWh):	13.693,6

Baseline, midterm and final reporting period

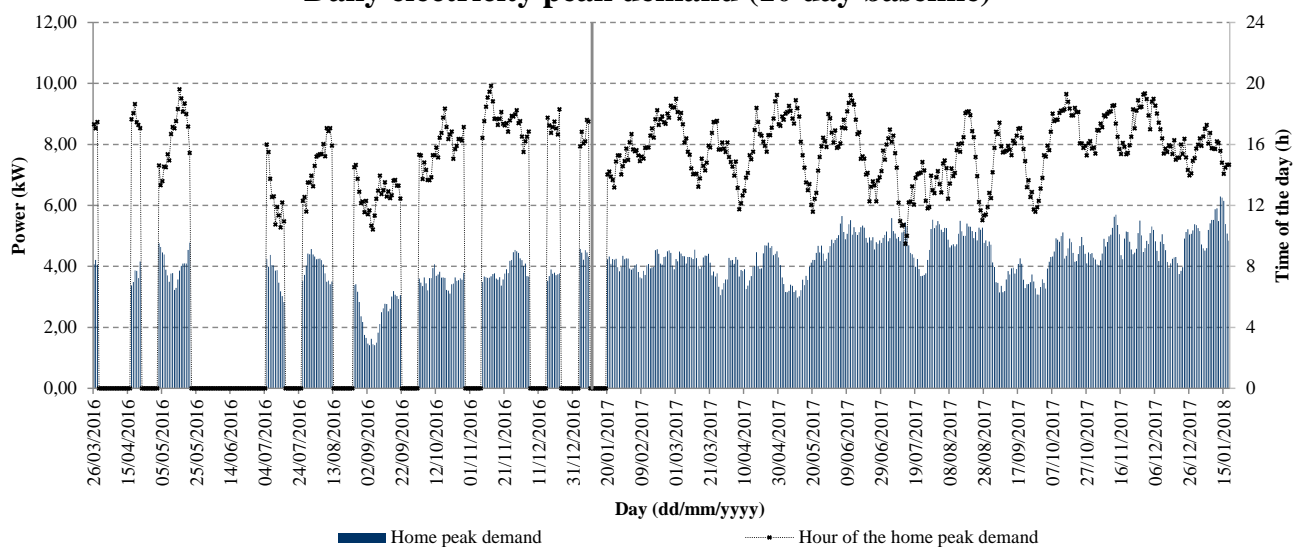
Cumulative electricity consumption



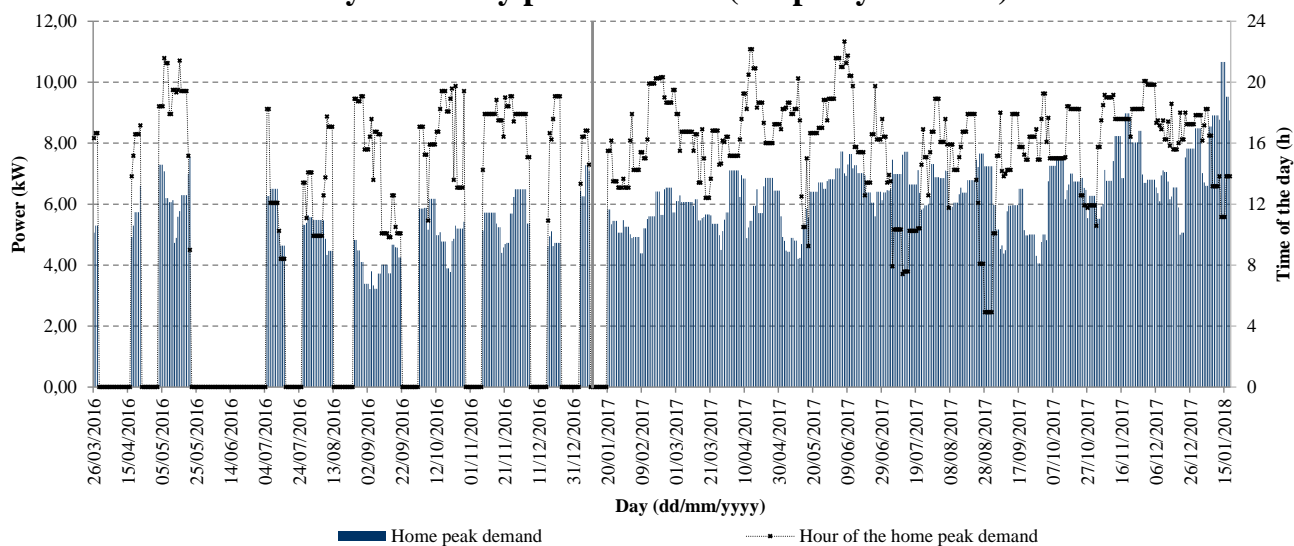
Daily electricity consumption



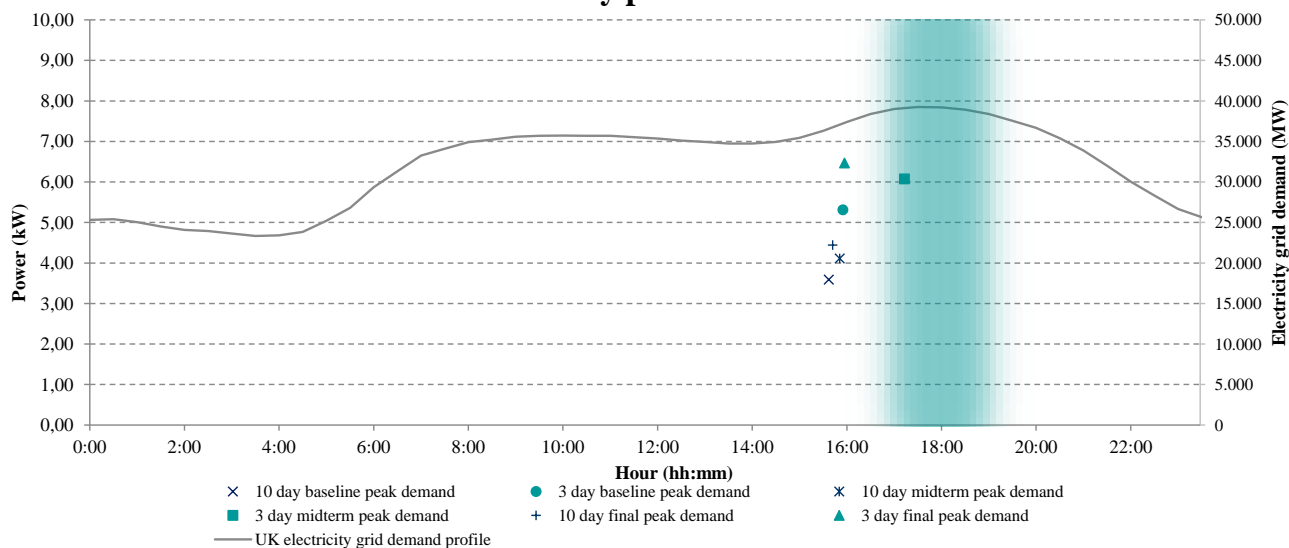
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #010	Dwelling type:	Flat
Construction period:	2007+	Floor area (m²):	65
Number of storeys:	1	Number of habitable rooms:	3
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	74 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Actaris	Type:	Digital pre-payment
Model:	ACE1000	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital pre-payment
Model:	G370		
Location:	Outdoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	18/03/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	1.237,0		

Electricity

Initial meter reading (kWh):	13.525	Final meter reading (kWh):	17.196
10 day baseline peak demand	Power (kW): 2,40	Time (hh:mm):	15 h 17 min
3 day baseline peak demand	Power (kW): 3,80	Time (hh:mm):	16 h 30 min
Demand at the network peak	Power (kW): 1,01	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	961	Final meter reading (m³):	1.245
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Electricity consumption (kWh):	3.671,0
Gas consumption (kWh):	3.170,5
Total energy consumption (kWh):	6.841,5

Midterm reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	17.196	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 2,28	Time (hh:mm):	15 h 0 min
3 day baseline peak demand	Power (kW): 3,65	Time (hh:mm):	16 h 10 min
Demand at the network peak	Power (kW): 0,80	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.245	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.532,2
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	23/01/2018
Heating Degree Days (°C) :	1.761,0		

Electricity

Initial meter reading (kWh):	17.196	Final meter reading (kWh):	79
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

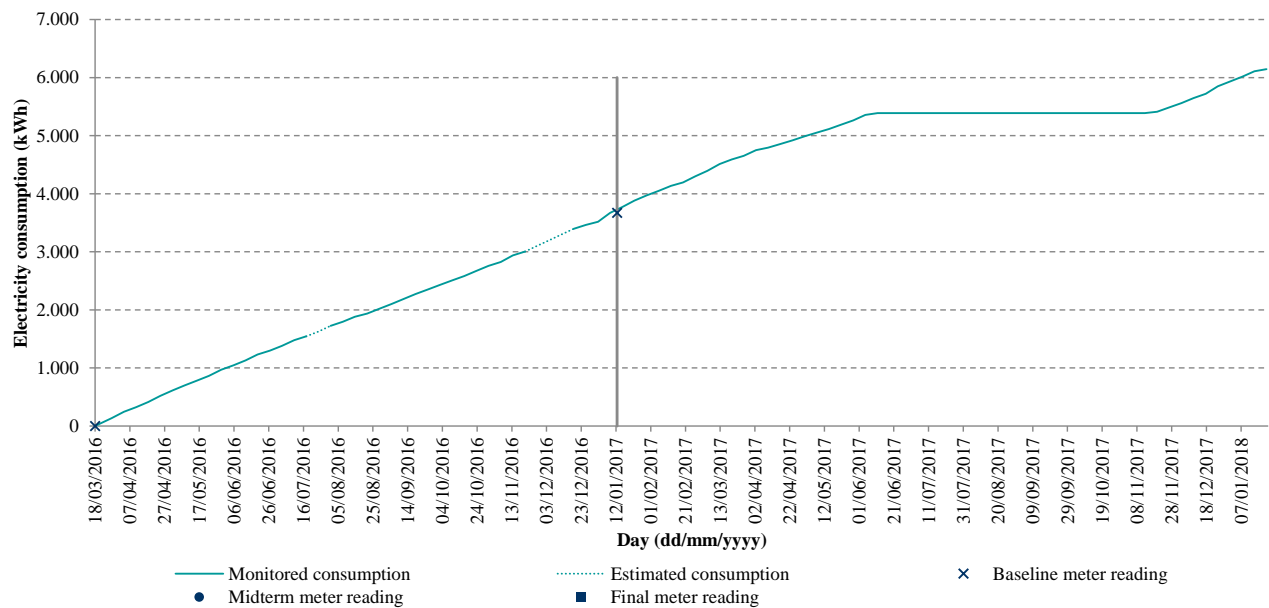
Gas

Initial meter reading (m³):	1.245	Final meter reading (m³):	4
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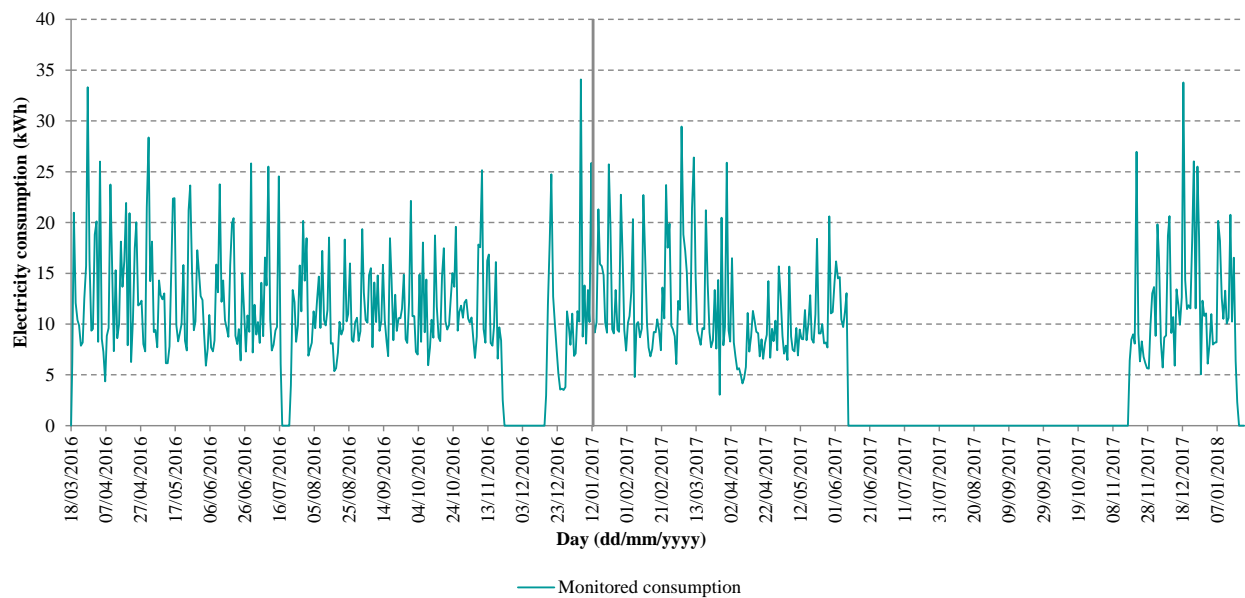
Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Baseline, midterm and final reporting period

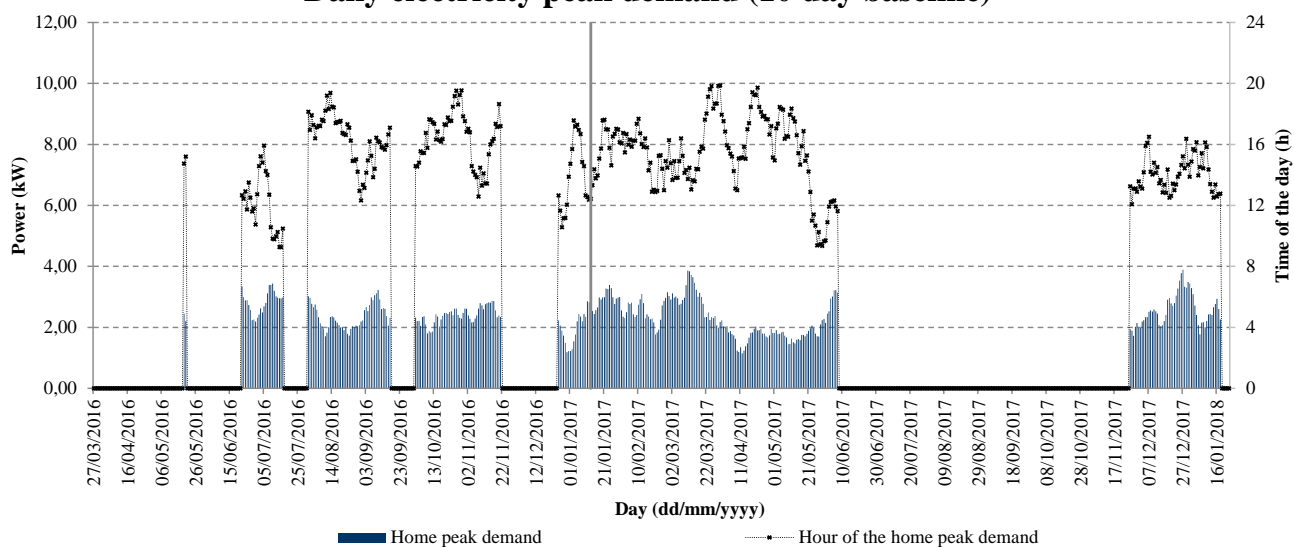
Cumulative electricity consumption



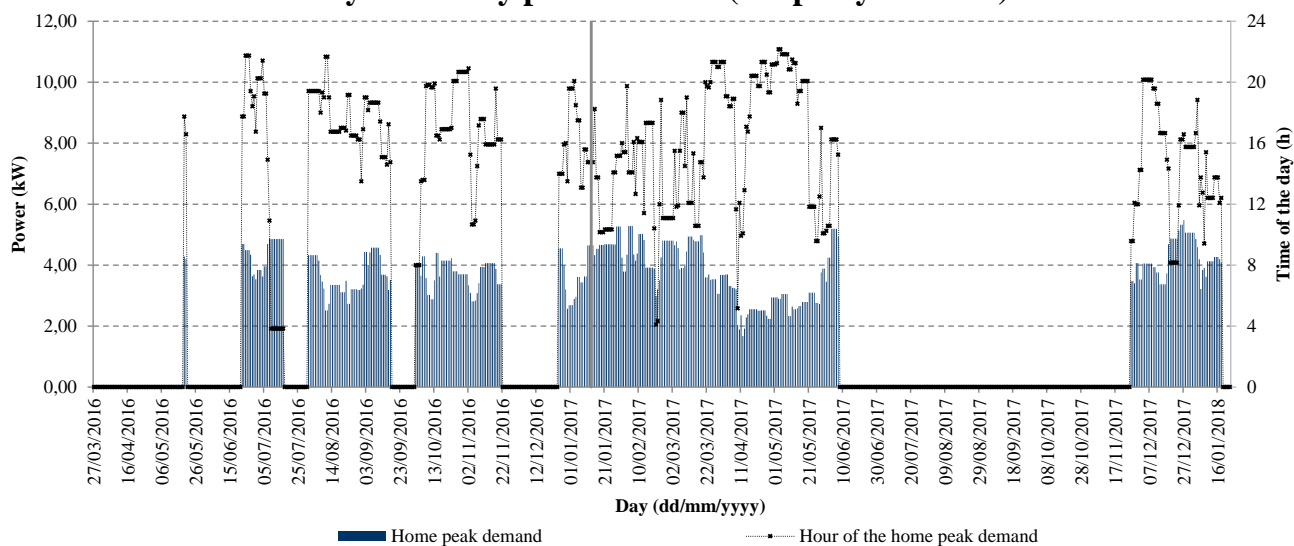
Daily electricity consumption



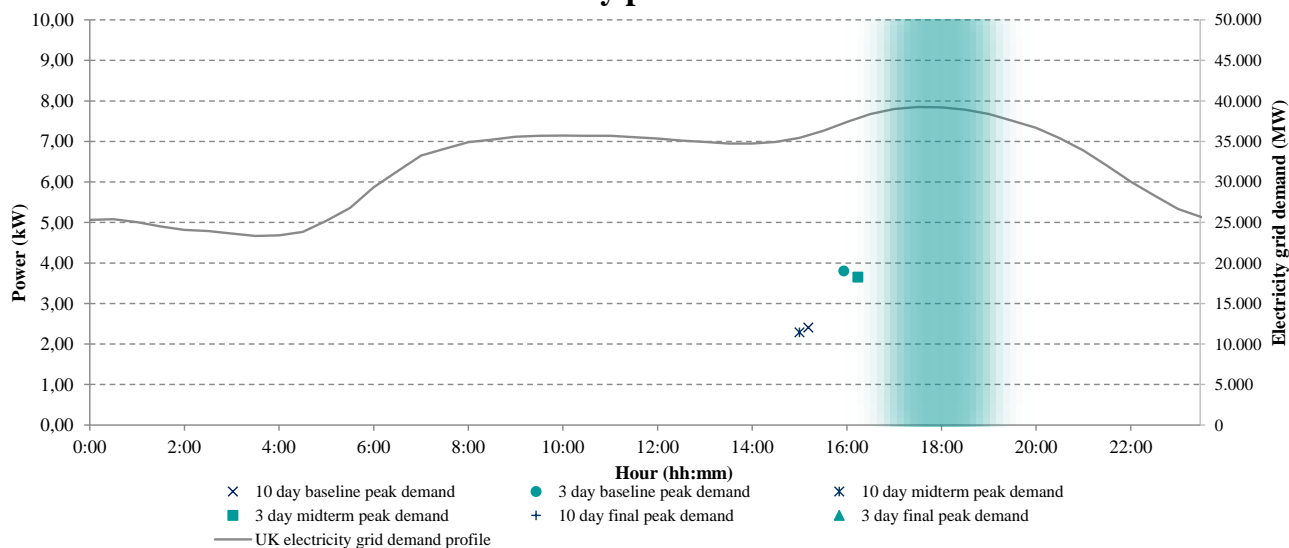
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #011	Dwelling type:	Flat
Construction period:	2007+	Floor area (m²):	76
Number of storeys:	1	Number of habitable rooms:	3
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	76 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5235A	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	6

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	-		
Location:	Outdoor	Distance aggregator-meter (m):	14

Baseline period

Starting date (dd/mm/yyyy):	11/02/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.589,0		

Electricity

Initial meter reading (kWh):	16.334	Final meter reading (kWh):	18.200
10 day baseline peak demand	Power (kW): 1,63	Time (hh:mm):	16 h 29 min
3 day baseline peak demand	Power (kW): 2,84	Time (hh:mm):	17 h 23 min
Demand at the network peak	Power (kW): 0,57	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.183	Final meter reading (m³):	1.192
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Electricity consumption (kWh):	1.866,0
Gas consumption (kWh):	100,5
Total energy consumption (kWh):	1.966,5

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	18.200	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 1,69	Time (hh:mm):	15 h 45 min
3 day baseline peak demand	Power (kW): 3,25	Time (hh:mm):	17 h 35 min
Demand at the network peak	Power (kW): 0,62	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.192	Final meter reading (m³):	-
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Electricity consumption (kWh):	579,5
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	24/01/2018
Heating Degree Days (°C) :	1.783,5		

Electricity

Initial meter reading (kWh):	18.200	Final meter reading (kWh):	20.391
10 day baseline peak demand	Power (kW): 1,68	Time (hh:mm):	16 h 7 min
3 day baseline peak demand	Power (kW): 3,02	Time (hh:mm):	17 h 3 min
Demand at the network peak	Power (kW): 0,62	Time (hh:mm):	17 h 0 min to 19h 0 min

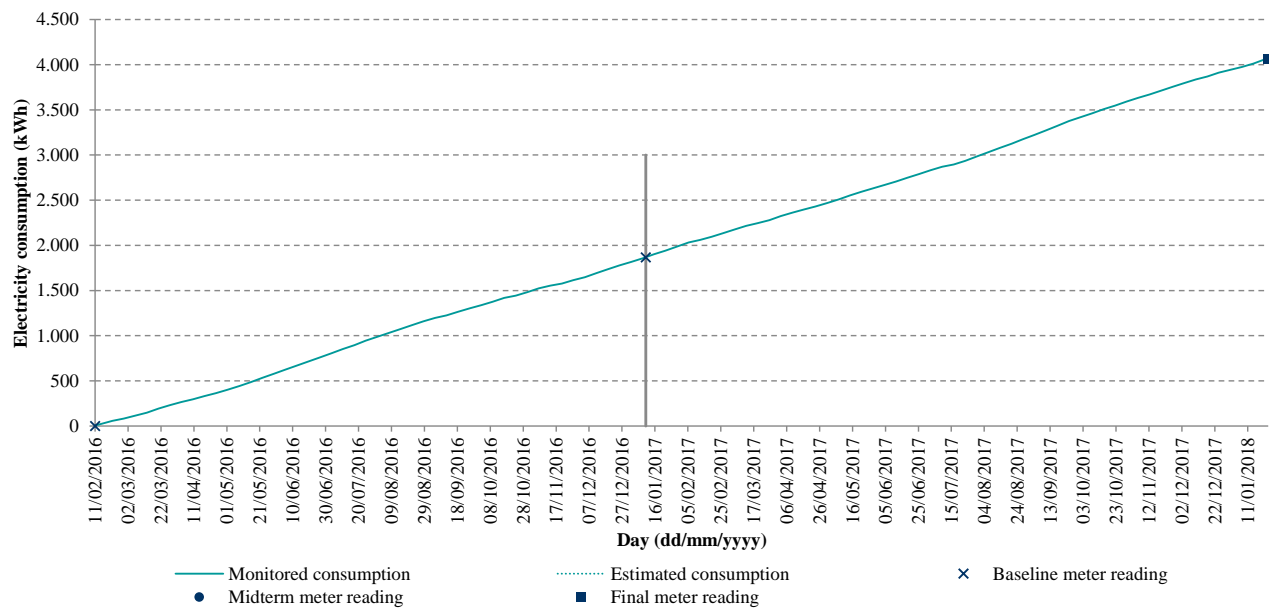
Gas

Initial meter reading (m³):	1.192	Final meter reading (m³):	1.194
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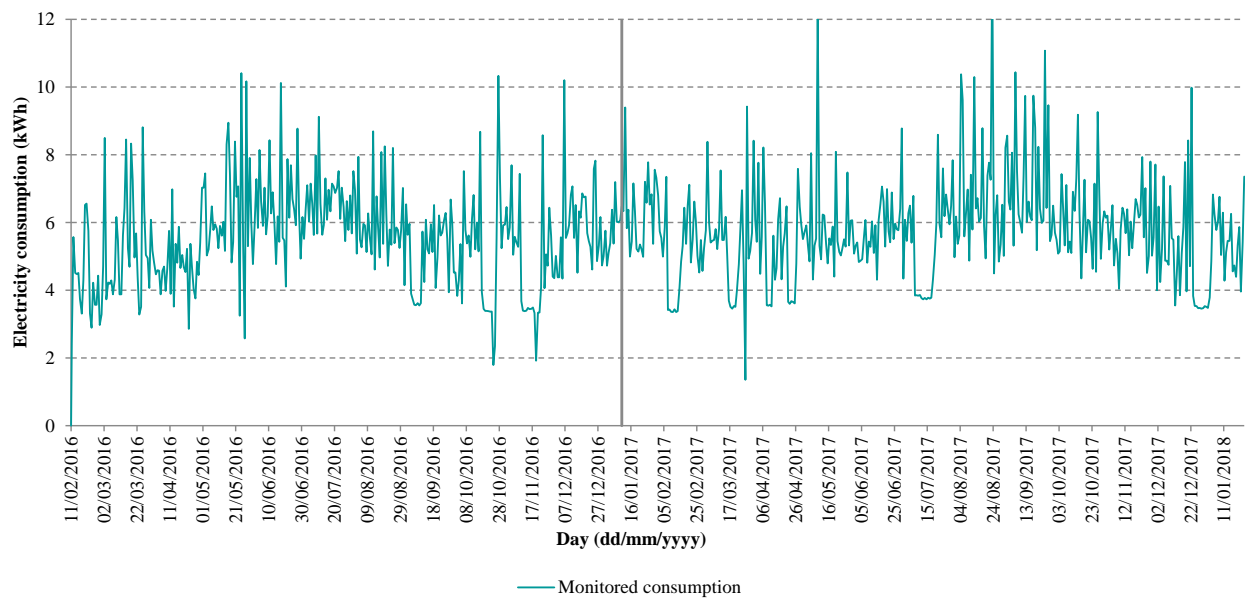
Electricity consumption (kWh):	2.191,0
Gas consumption (kWh):	22,9
Total energy consumption (kWh):	2.213,9

Baseline, midterm and final reporting period

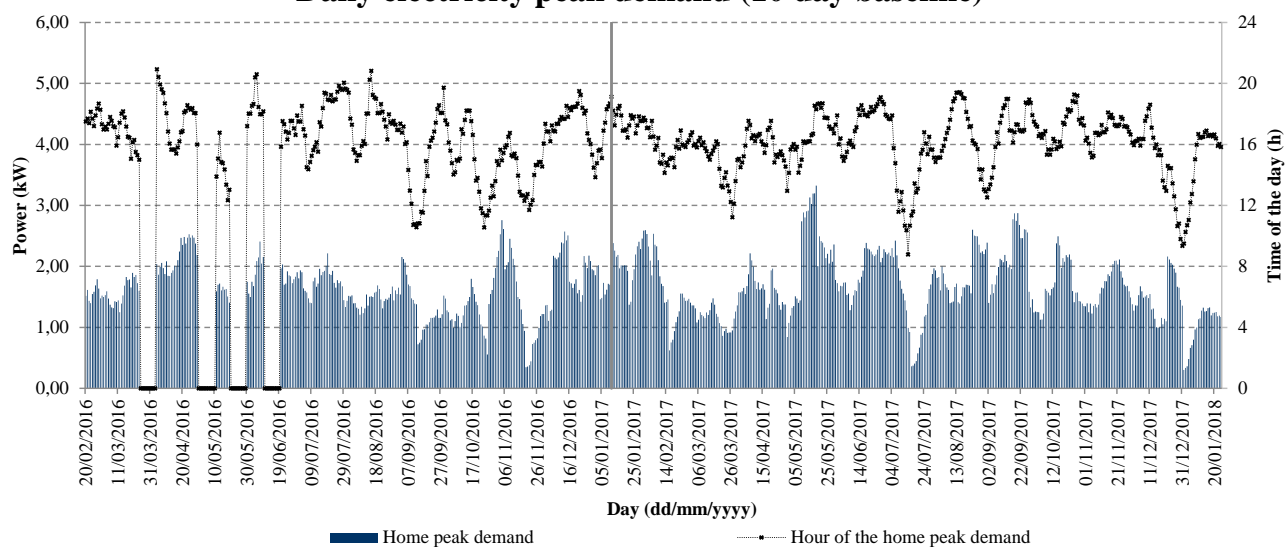
Cumulative electricity consumption



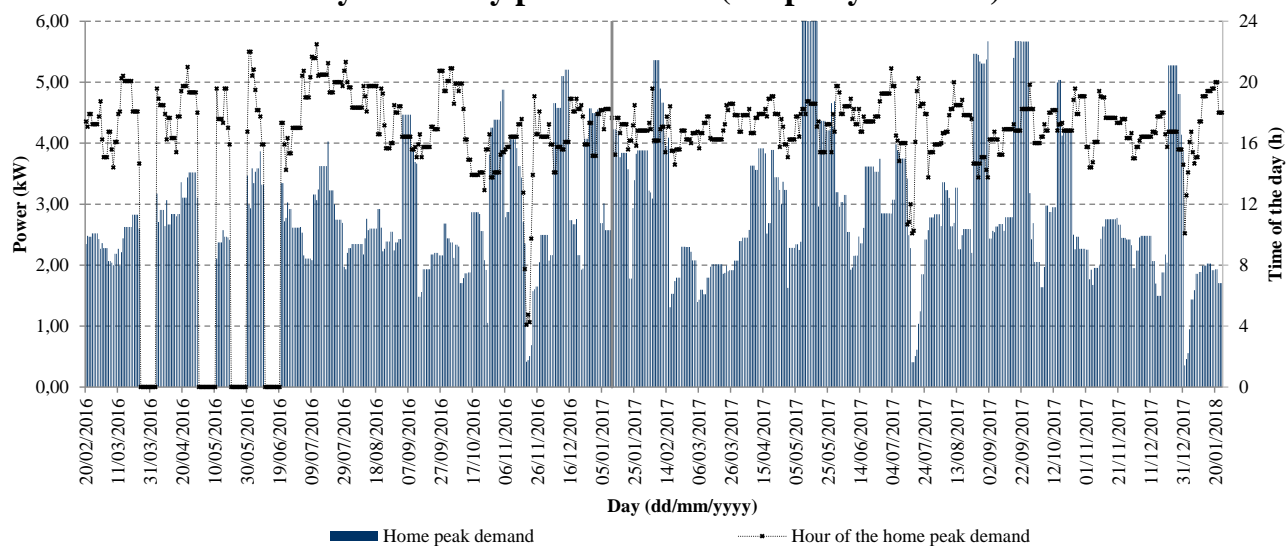
Daily electricity consumption



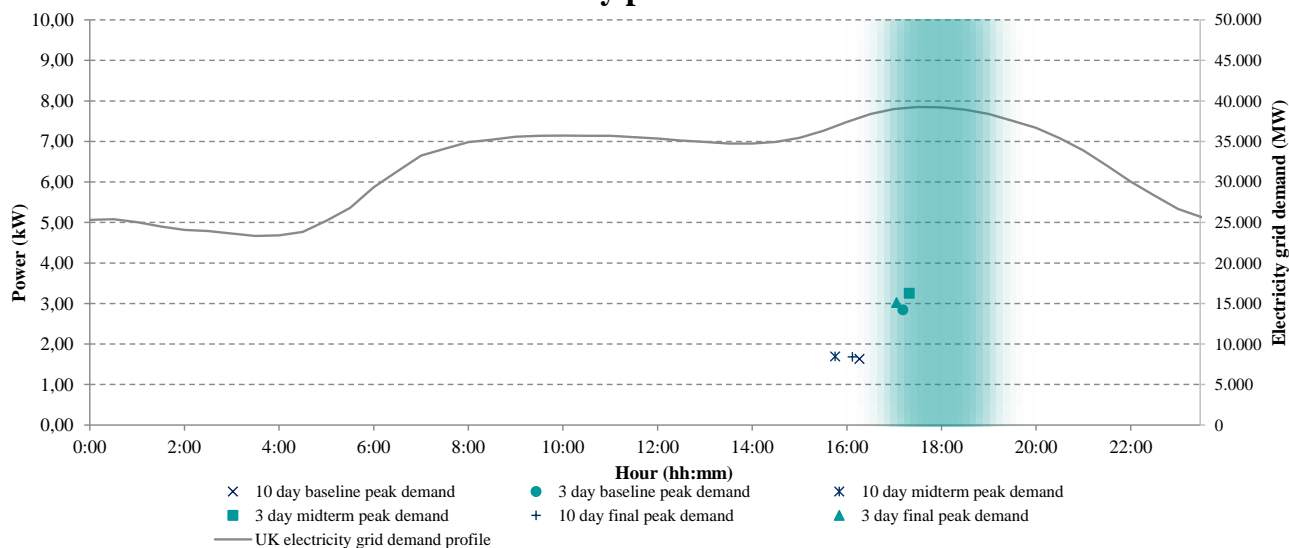
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #012	Dwelling type:	Flat
Construction period:	1976-1982	Floor area (m²):	45
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	No

Energy characteristics

SAP:	61 D	Energy:	Gas and Electric
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Actaris	Type:	Digital
Model:	Ace1000	Conversion factor (impulses/kWh):	800
Location:	Indoor	Distance aggregator-meter (m):	2

Gas infrastructure characteristics

Manufacturer:	Schlumberger	Type:	Analogue
Model:	R5		
Location:	Indoor	Distance aggregator-meter (m):	2

Baseline period

Starting date (dd/mm/yyyy):	21/01/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C) :	1656,5		

Electricity

Initial meter reading (kWh):	18.540	Final meter reading (kWh):	20.101
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	-

Gas

Initial meter reading (m³):	10.597	Final meter reading (m³):	10.817
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Electricity consumption (kWh):	1.561,0
Gas consumption (kWh):	2.456,0
Total energy consumption (kWh):	4.017,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	15/05/2017
Heating Degree Days (°C) :	823		

Electricity

Initial meter reading (kWh):	20.101	Final meter reading (kWh):	20.643
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	-

Gas

Initial meter reading (m³):	10.817	Final meter reading (m³):	10.909
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Electricity consumption (kWh):	542,0
Gas consumption (kWh):	1.027,1
Total energy consumption (kWh):	1.569,1

Final reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	25/01/2018
Heating Degree Days (°C) :	1738		

Electricity

Initial meter reading (kWh):	20.101	Final meter reading (kWh):	21.864
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	-

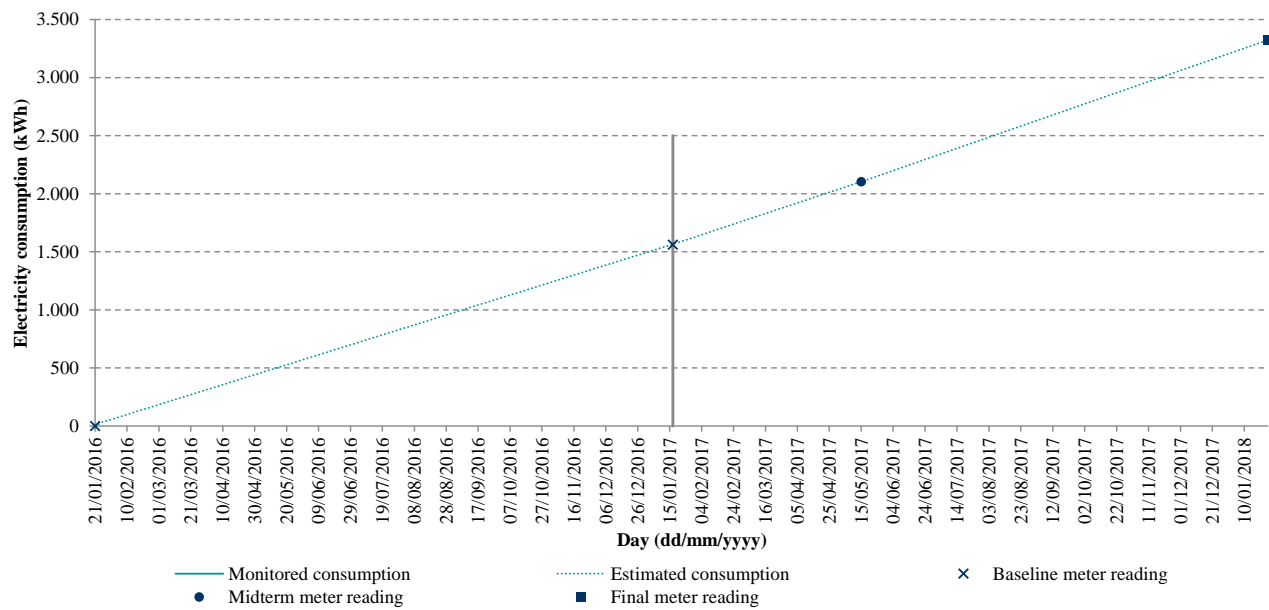
Gas

Initial meter reading (m³):	10.817	Final meter reading (m³):	11.037
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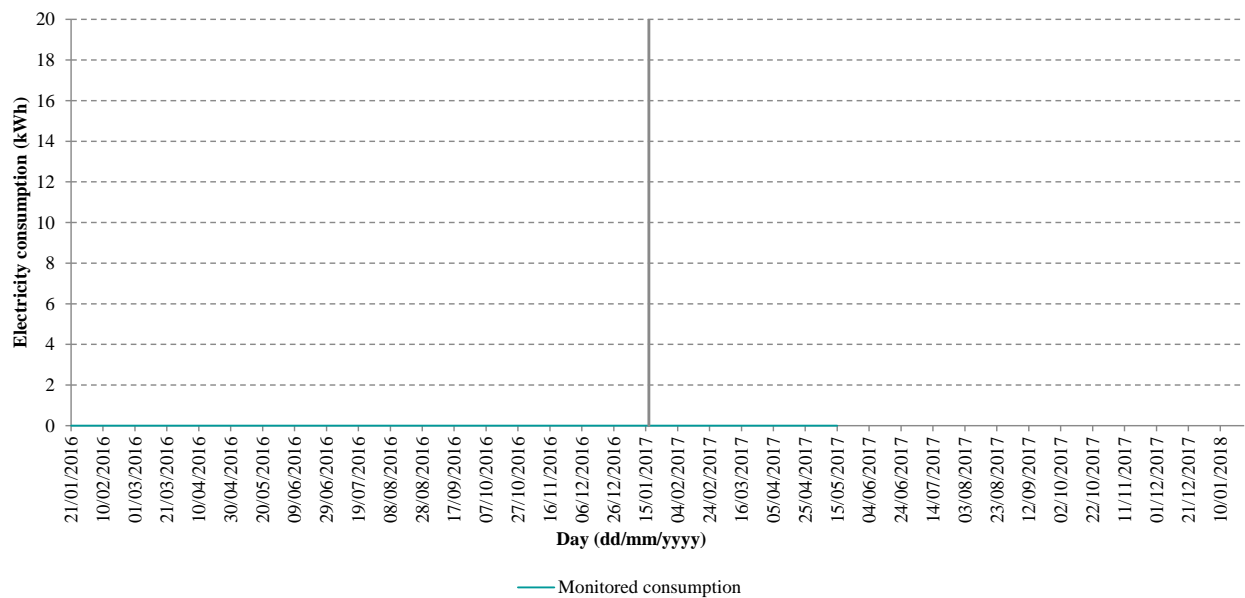
Electricity consumption (kWh):	1.763,3
Gas consumption (kWh):	2.452,8
Total energy consumption (kWh):	4.216,1

Baseline, midterm and final reporting period

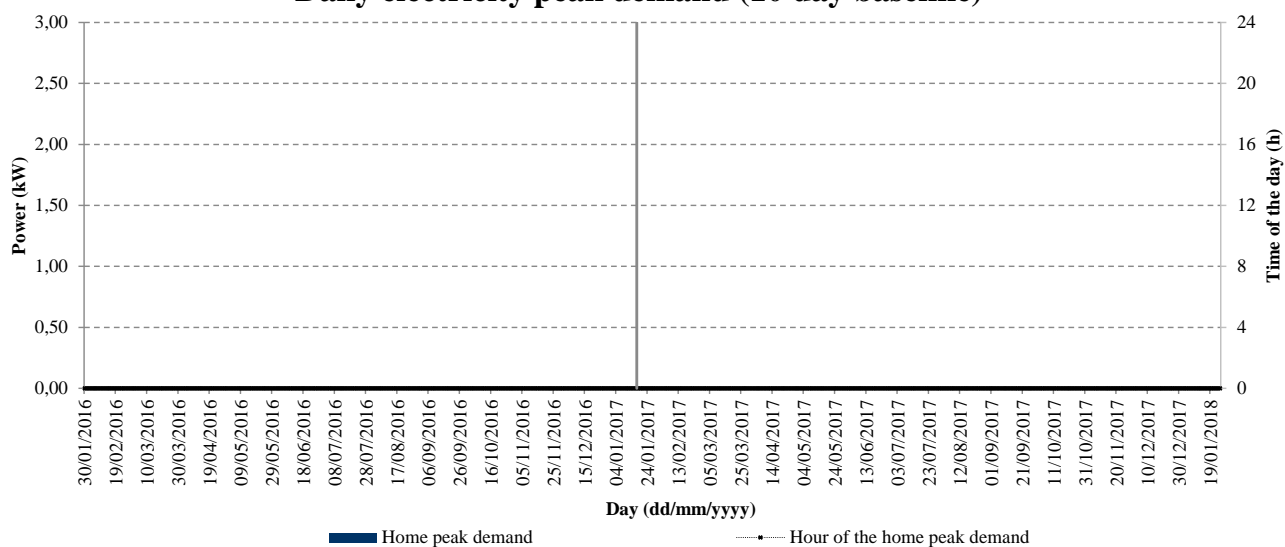
Cumulative electricity consumption



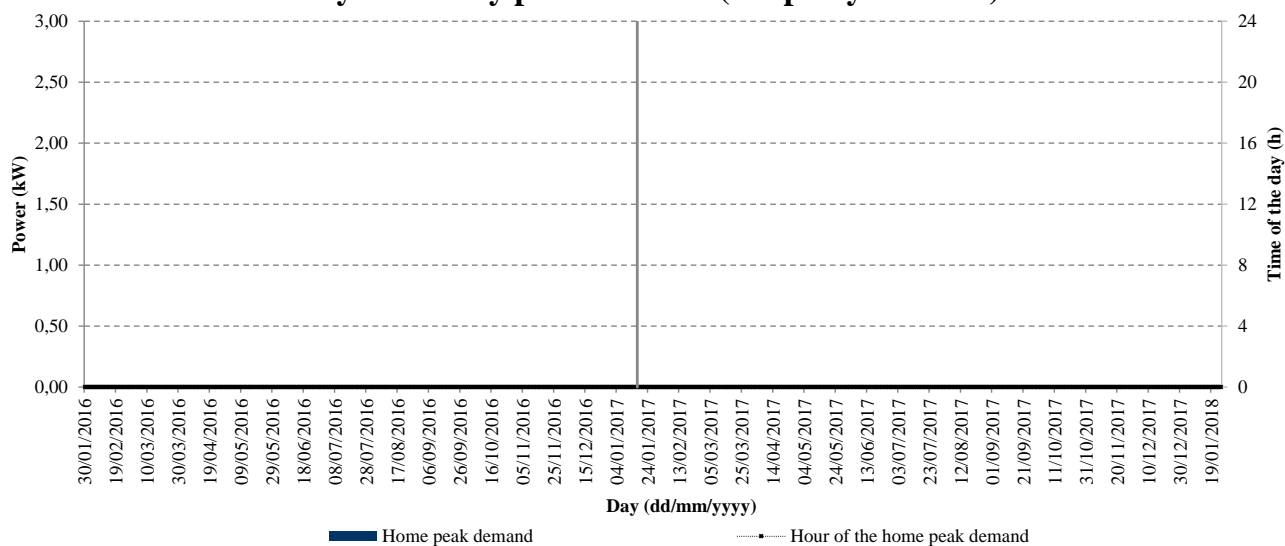
Daily electricity consumption



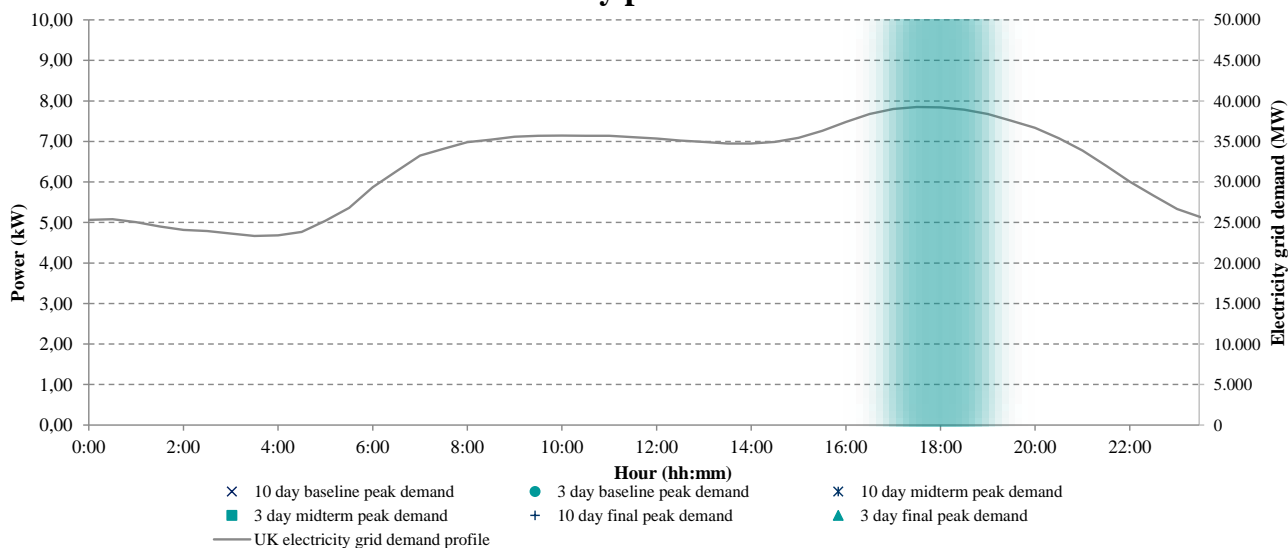
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #013	Dwelling type:	Flat
Construction period:	1991-1995	Floor area (m²):	55
Number of storeys:	1	Number of habitable rooms:	2
Household size:	2	Internet:	No

Energy characteristics

SAP:	71 C	Energy:	Electric only
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5235D	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	6

Gas infrastructure characteristics

Manufacturer:	-	Type:	-
Model:	-		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	10/02/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.600,5		

Electricity

Initial meter reading (kWh):	7.518	Final meter reading (kWh):	11.618
10 day baseline peak demand	Power (kW): 5,16	Time (hh:mm):	4 h 12 min
3 day baseline peak demand	Power (kW): 6,21	Time (hh:mm):	5 h 15 min
Demand at the network peak	Power (kW): 1,12	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	4.100,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	4.100,0

Midterm reporting period			
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Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	25/05/2017
Heating Degree Days (°C) :	902,5		

Electricity			
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Initial meter reading (kWh):	11.618	Final meter reading (kWh):	13.243
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10 day baseline peak demand	Power (kW):	3,09	Time (hh:mm):	6 h 44 min
3 day baseline peak demand	Power (kW):	4,49	Time (hh:mm):	12 h 17 min
Demand at the network peak	Power (kW):	0,73	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.625,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	1.625,0

Final reporting period			
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Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	18/01/2018
Heating Degree Days (°C) :	1.739,5		

Electricity			
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Initial meter reading (kWh):	11.618	Final meter reading (kWh):	15.861
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10 day baseline peak demand	Power (kW):	3,54	Time (hh:mm):	5 h 52 min
3 day baseline peak demand	Power (kW):	4,96	Time (hh:mm):	8 h 57 min
Demand at the network peak	Power (kW):	0,45	Time (hh:mm):	17 h 0 min to 19h 0 min

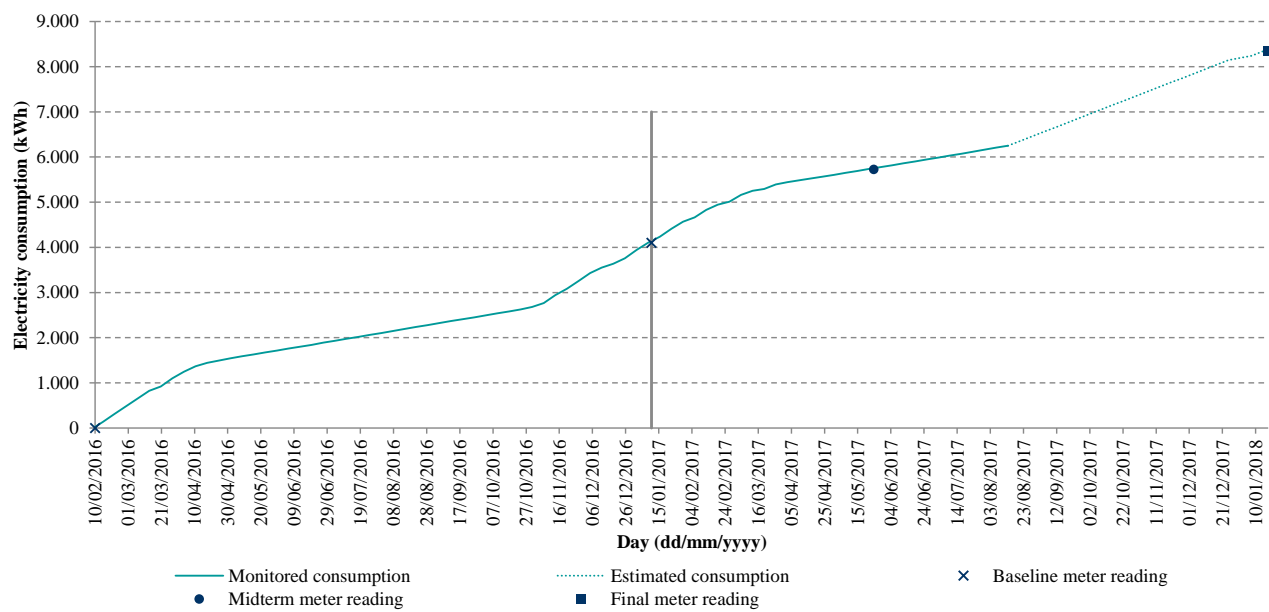
Gas			
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Initial meter reading (m³):	-	Final meter reading (m³):	-
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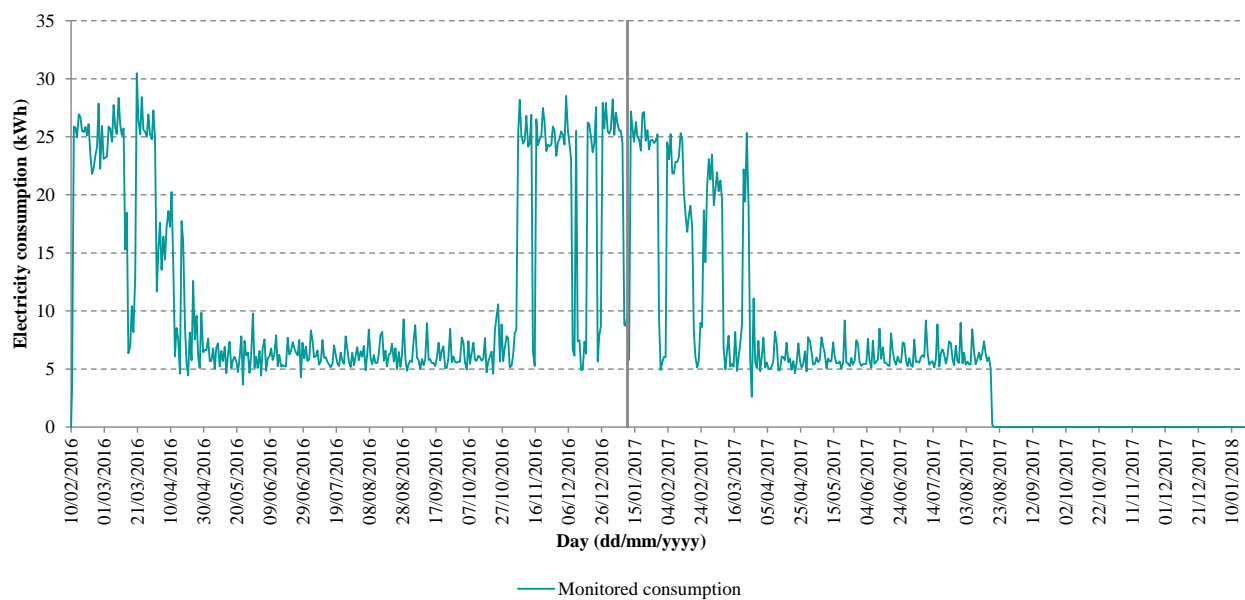
Electricity consumption (kWh):	4.243,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	4.243,0

Baseline, midterm and final reporting period

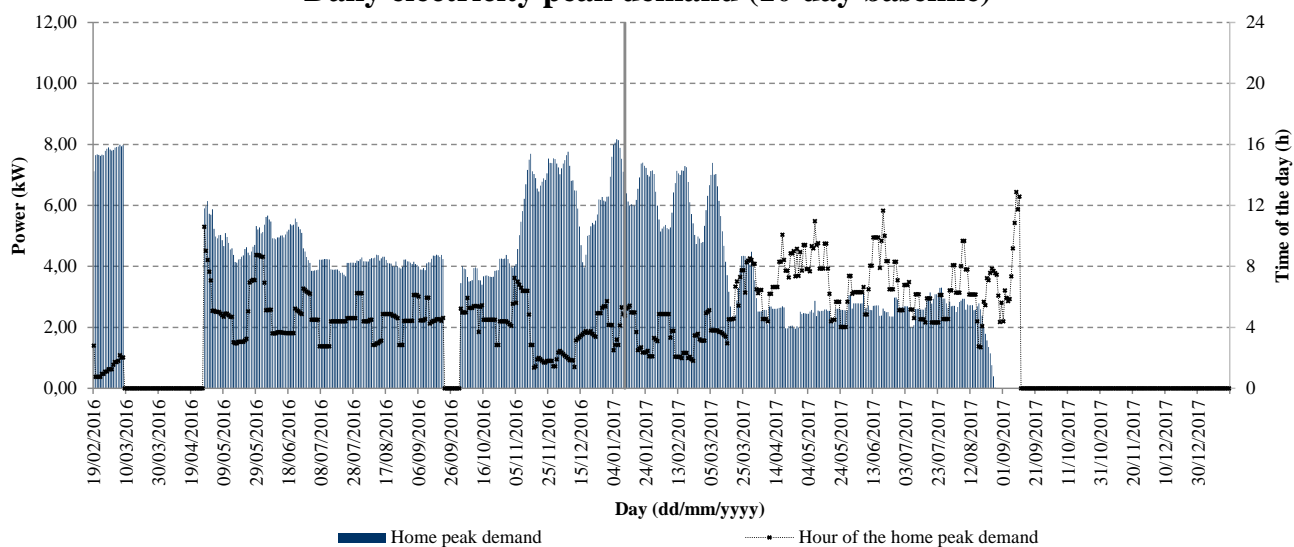
Cumulative electricity consumption



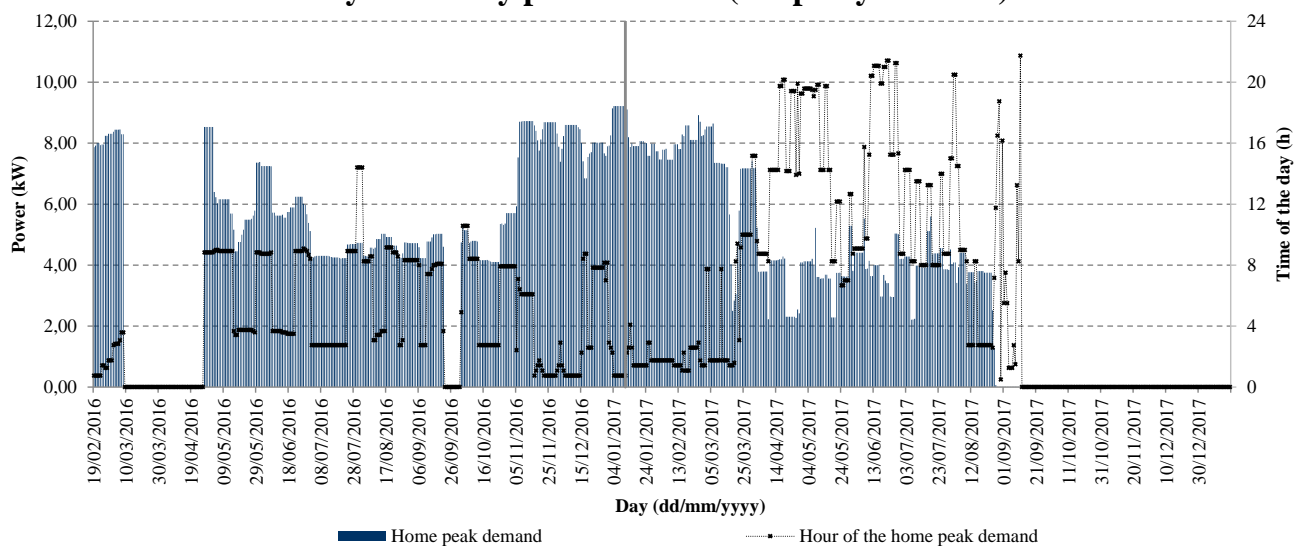
Daily electricity consumption



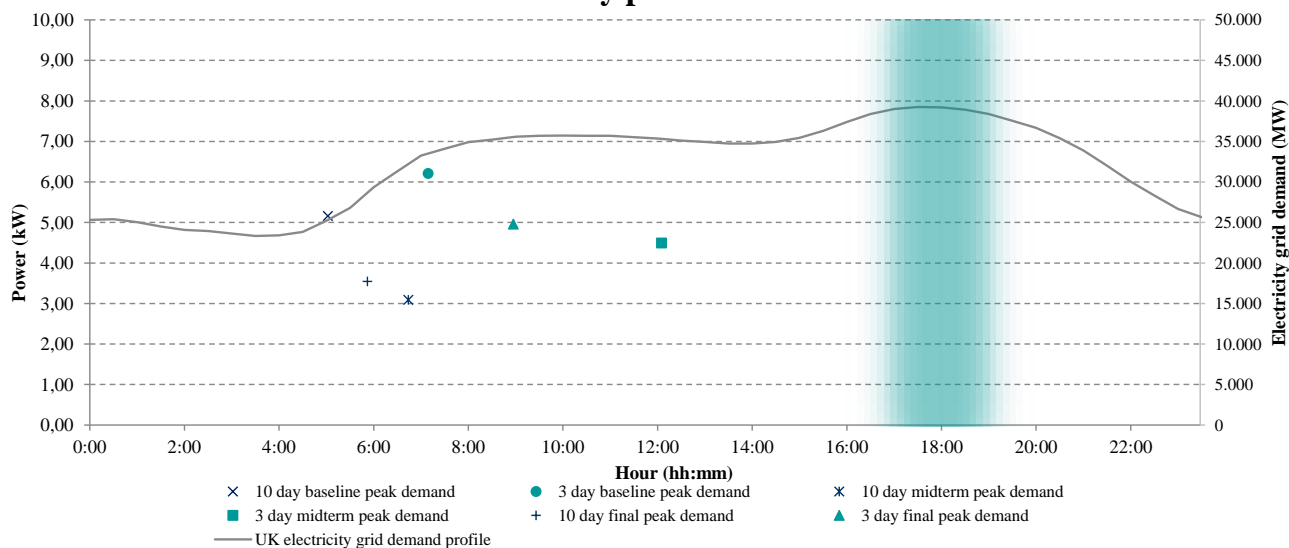
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #014	Dwelling type:	End Terrace House
Construction period:	1967-1975	Floor area (m²):	80
Number of storeys:	2	Number of habitable rooms:	4
Household size:	4	Internet:	No

Energy characteristics

SAP:	58 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Pre-payment
Model:	ZCR527-1	Conversion factor (impulses/kWh):	1000
Location:	Outdoor	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital pre-payment
Model:	G370		
Location:	Outdoor	Distance aggregator-meter (m):	1

Baseline period

Starting date (dd/mm/yyyy):	17/03/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	1.246,5		

Electricity

Initial meter reading (kWh):	33.232	Final meter reading (kWh):	37.470
10 day baseline peak demand	Power (kW): 5,49	Time (hh:mm):	13 h 11 min
3 day baseline peak demand	Power (kW): 7,37	Time (hh:mm):	13 h 9 min
Demand at the network peak	Power (kW): 1,92	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	4.325	Final meter reading (m³):	5.142
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Electricity consumption (kWh):	4.238,0
Gas consumption (kWh):	9.120,8
Total energy consumption (kWh):	13.358,8

Midterm reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	07/06/2017
Heating Degree Days (°C) :	906,0		

Electricity

Initial meter reading (kWh):	37.470	Final meter reading (kWh):	39.922
10 day baseline peak demand	Power (kW): 6,37	Time (hh:mm):	11 h 9 min
3 day baseline peak demand	Power (kW): 8,80	Time (hh:mm):	11 h 39 min
Demand at the network peak	Power (kW): 1,52	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	5.142	Final meter reading (m³):	5.661
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Electricity consumption (kWh):	2.452,0
Gas consumption (kWh):	5.794,0
Total energy consumption (kWh):	8.246,0

Final reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	23/01/2018
Heating Degree Days (°C) :	1.761,0		

Electricity

Initial meter reading (kWh):	37.470	Final meter reading (kWh):	43.618
10 day baseline peak demand	Power (kW): 6,44	Time (hh:mm):	11 h 9 min
3 day baseline peak demand	Power (kW): 8,44	Time (hh:mm):	10 h 55 min
Demand at the network peak	Power (kW): 1,56	Time (hh:mm):	17 h 0 min to 19h 0 min

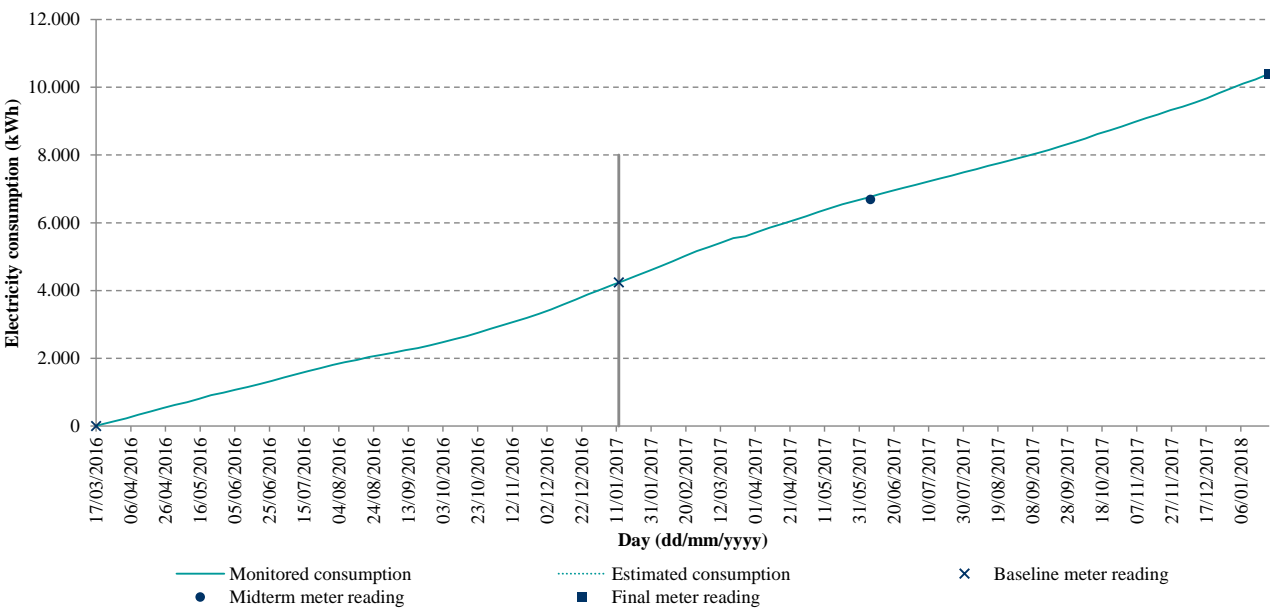
Gas

Initial meter reading (m³):	5.142	Final meter reading (m³):	6.321
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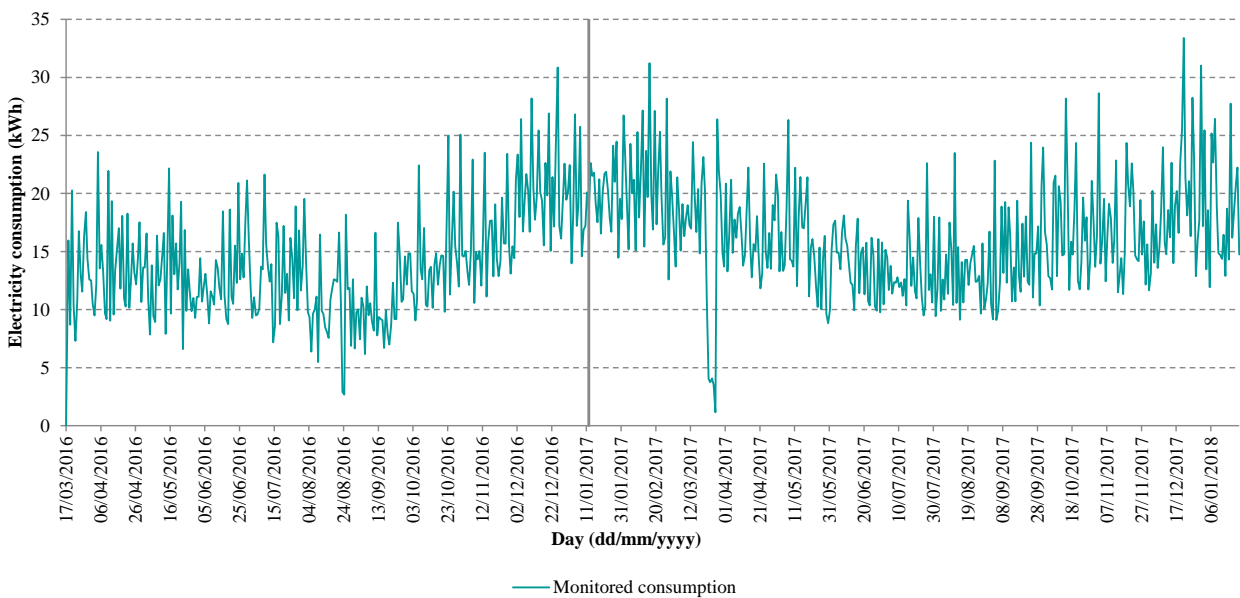
Electricity consumption (kWh):	6.147,9
Gas consumption (kWh):	13.162,7
Total energy consumption (kWh):	19.310,7

Baseline, midterm and final reporting period

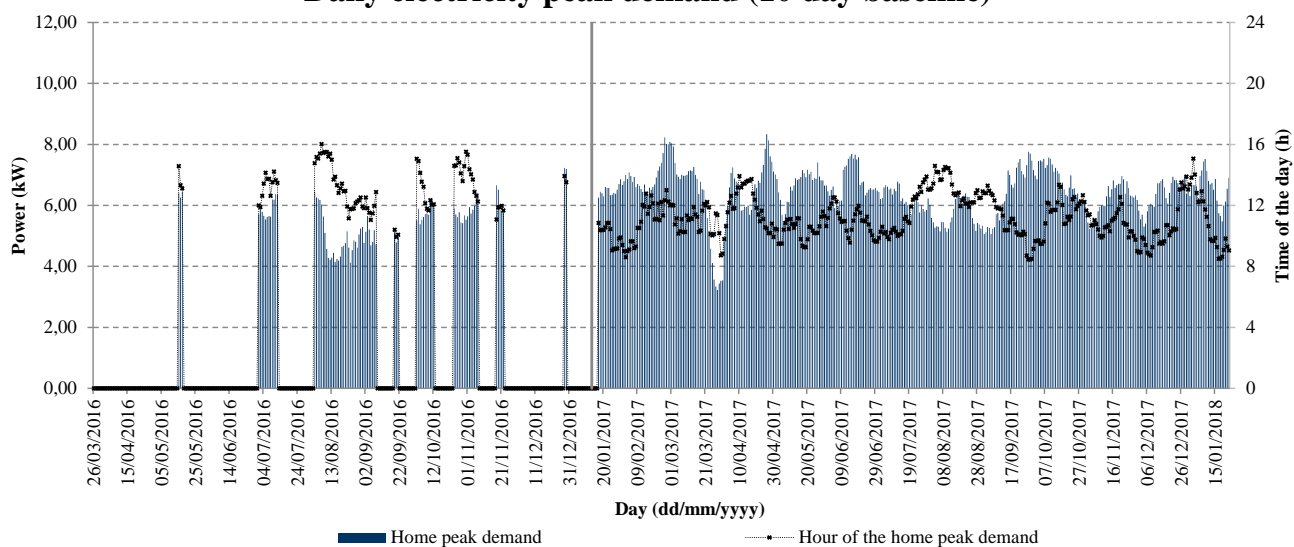
Cumulative electricity consumption



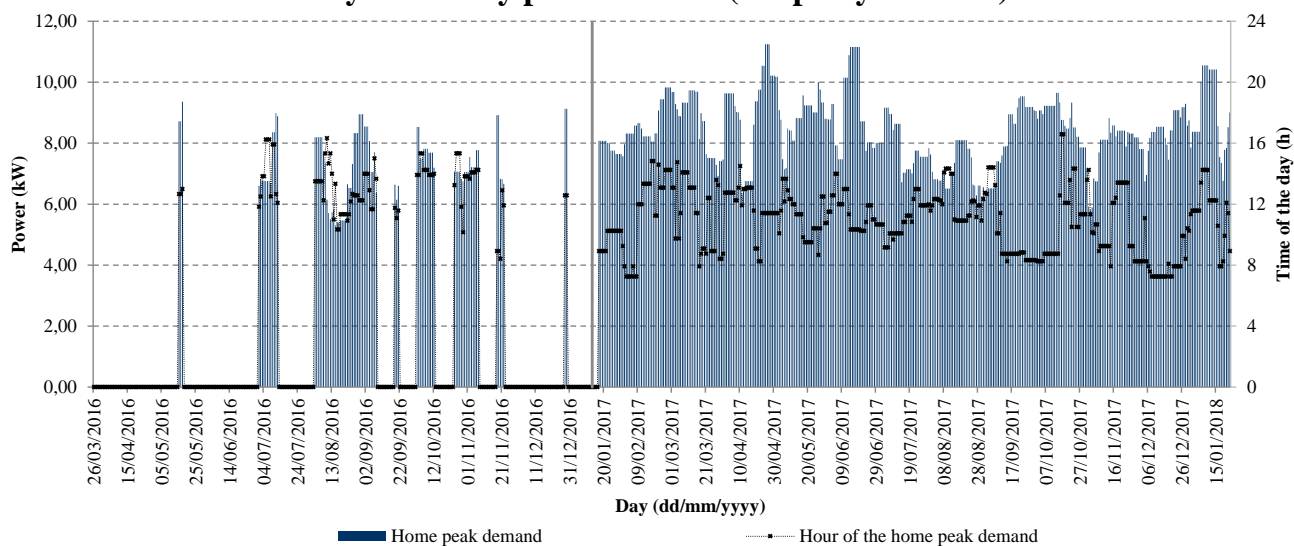
Daily electricity consumption



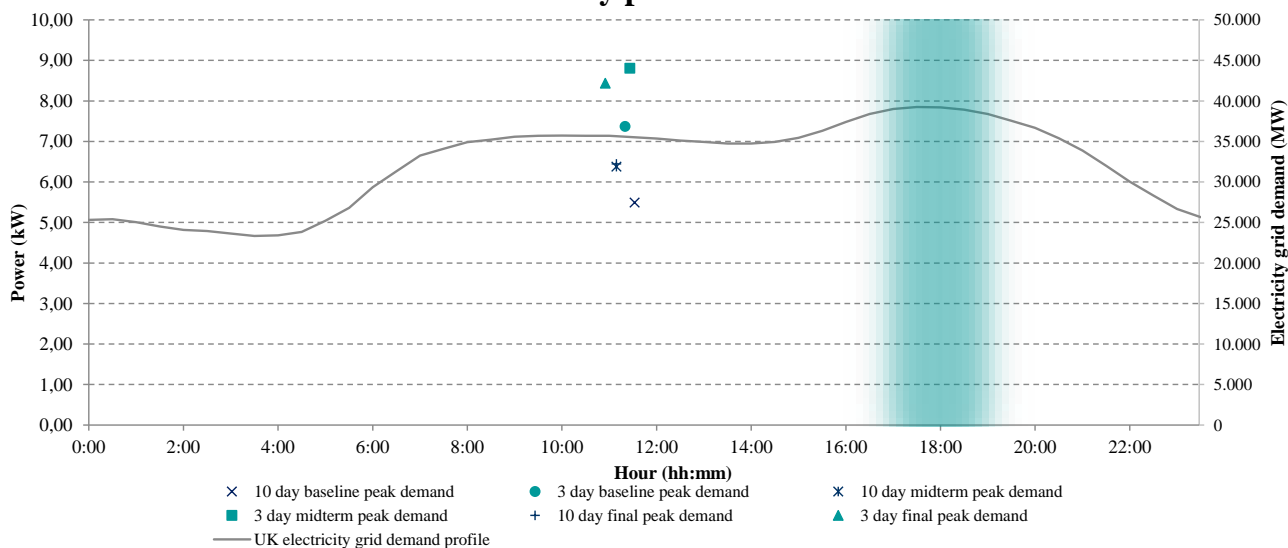
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #015	Dwelling type:	Flat
Construction period:	1983-1990	Floor area (m²):	36
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	65 D	Energy:	Electric only
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5235D	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	2

Gas infrastructure characteristics

Manufacturer:	-	Type:	-
Model:	-		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	11/02/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	1.599,5		

Electricity

Initial meter reading (kWh):	495	Final meter reading (kWh):	2.909
10 day baseline peak demand	Power (kW): 3,98	Time (hh:mm):	10 h 38 min
3 day baseline peak demand	Power (kW): 5,63	Time (hh:mm):	11 h 2 min
Demand at the network peak	Power (kW): 0,81	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	2.414,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	2.414,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	10/05/2017
Heating Degree Days (°C) :	853,0		

Electricity

Initial meter reading (kWh):	2.909	Final meter reading (kWh):	3.993
10 day baseline peak demand	Power (kW): 4,22	Time (hh:mm):	11 h 4 min
3 day baseline peak demand	Power (kW): 5,88	Time (hh:mm):	12 h 25 min
Demand at the network peak	Power (kW): 0,99	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.084,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	1.084,0

Final reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	25/01/2018
Heating Degree Days (°C) :	1.785,5		

Electricity

Initial meter reading (kWh):	2.909	Final meter reading (kWh):	5.944
10 day baseline peak demand	Power (kW): 4,20	Time (hh:mm):	10 h 11 min
3 day baseline peak demand	Power (kW): 5,64	Time (hh:mm):	11 h 43 min
Demand at the network peak	Power (kW): 0,90	Time (hh:mm):	17 h 0 min to 19h 0 min

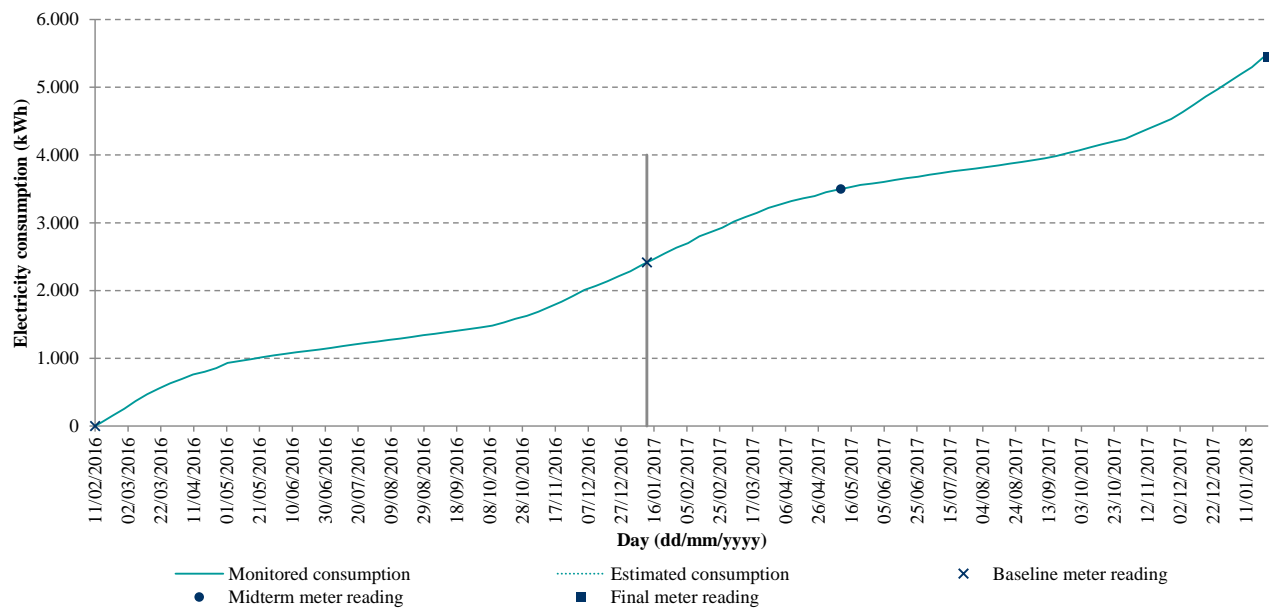
Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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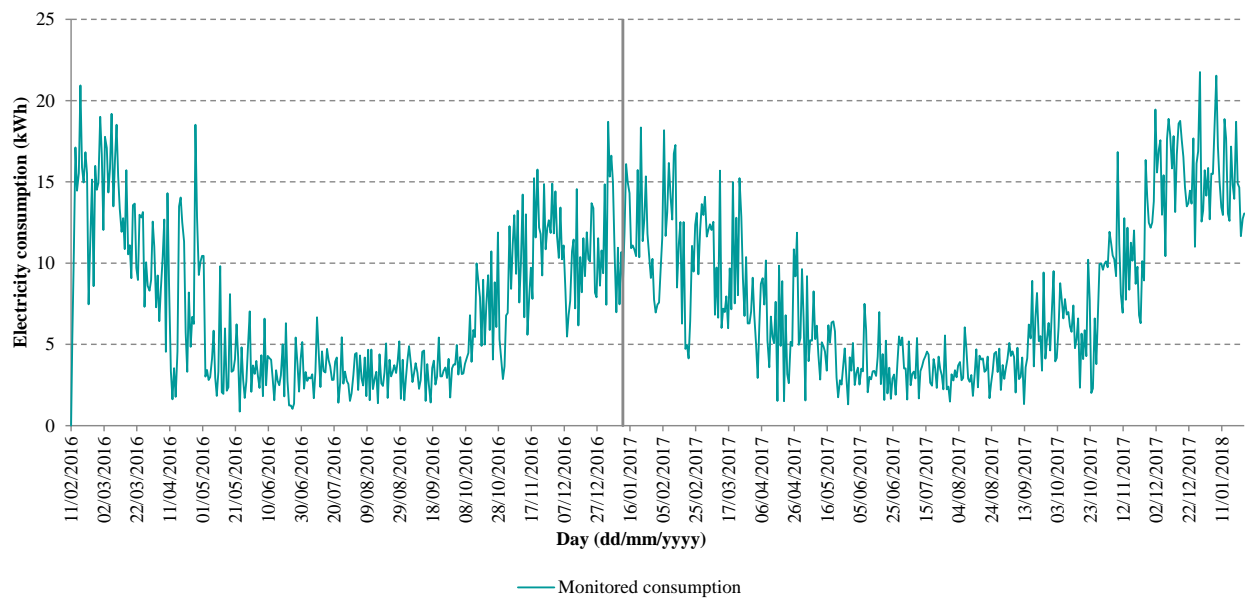
Electricity consumption (kWh):	3.035,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	3.035,0

Baseline, midterm and final reporting period

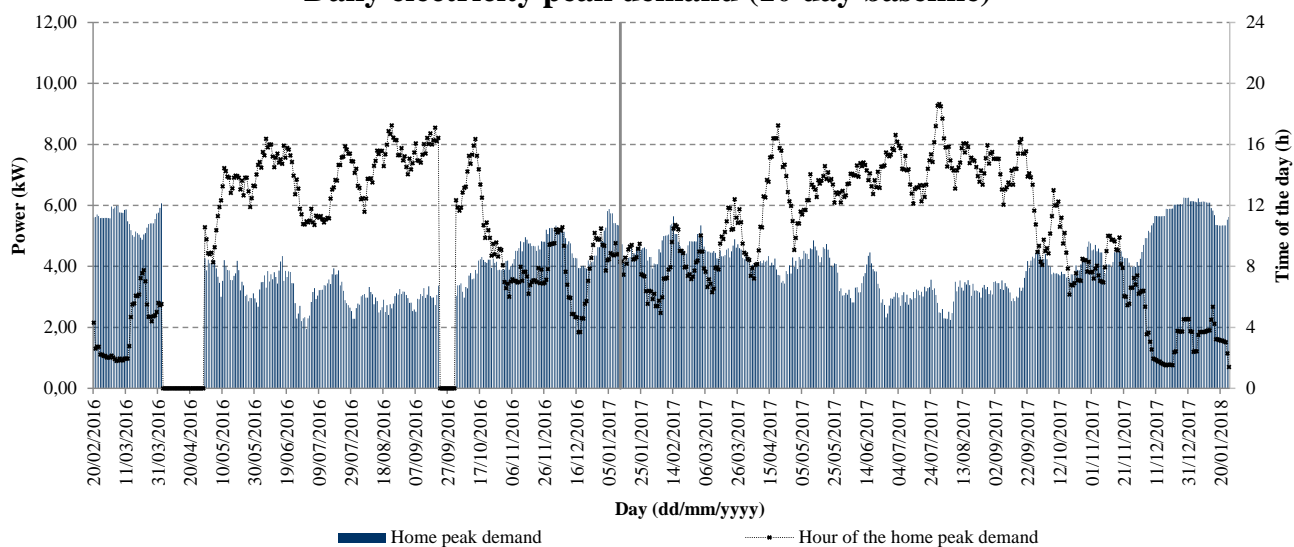
Cumulative electricity consumption



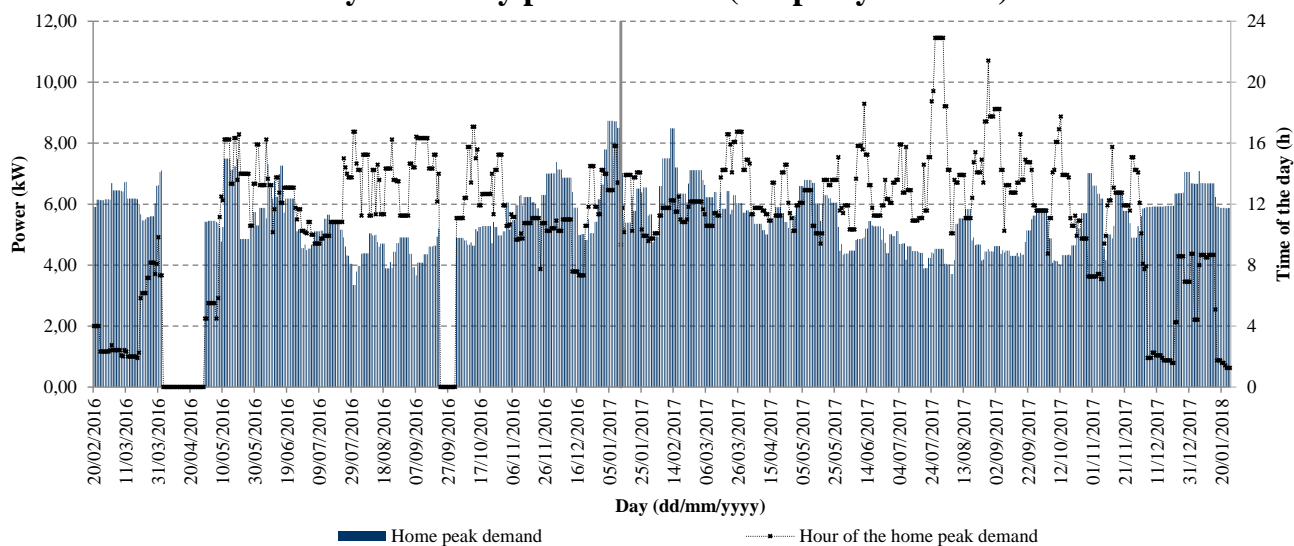
Daily electricity consumption



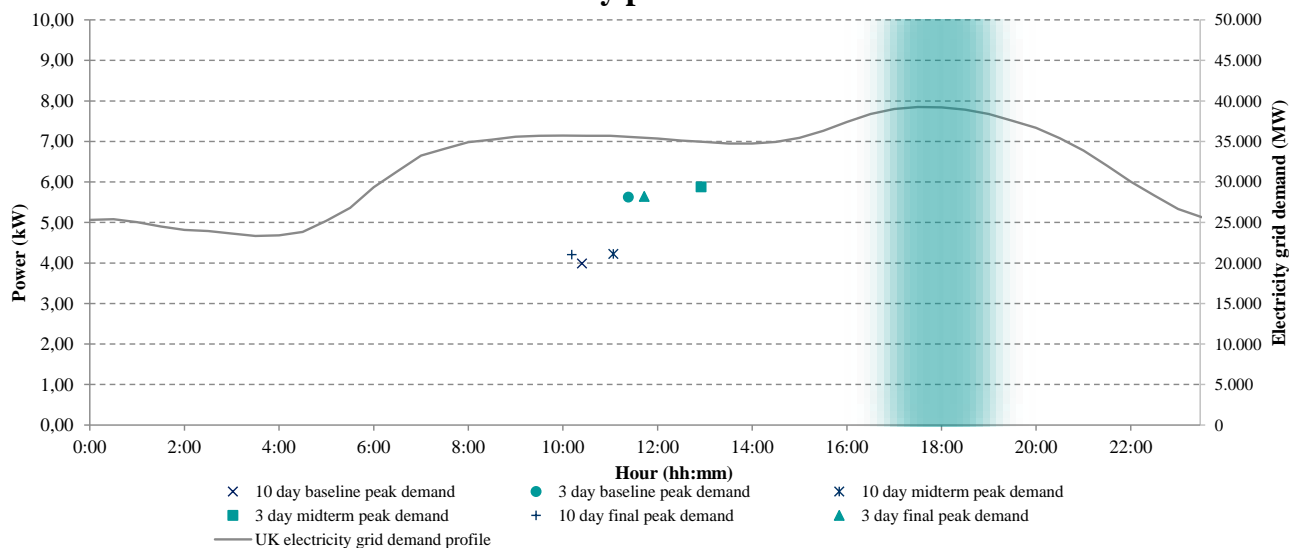
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #016	Dwelling type:	End Terrace House
Construction period:	2007+	Floor area (m²):	67
Number of storeys:	2	Number of habitable rooms:	3
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	73 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E470	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	G370		
Location:	Indoor	Distance aggregator-meter (m):	1

Baseline period

Starting date (dd/mm/yyyy):	17/03/2016	Final date (dd/mm/yyyy):	10/02/2017
Heating Degree Days (°C) :	1.504,5		

Electricity

Initial meter reading (kWh):	5.992	Final meter reading (kWh):	9.189
10 day baseline peak demand	Power (kW): 5,15	Time (hh:mm):	15 h 27 min
3 day baseline peak demand	Power (kW): 7,20	Time (hh:mm):	17 h 9 min
Demand at the network peak	Power (kW): 1,34	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.179	Final meter reading (m³):	1.612
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Electricity consumption (kWh):	3.197,0
Gas consumption (kWh):	4.833,9
Total energy consumption (kWh):	8.030,9

Midterm reporting period			
Starting date (dd/mm/yyyy):	10/02/2017	Final date (dd/mm/yyyy):	11/06/2017
Heating Degree Days (°C) :	655,0		

Electricity

Initial meter reading (kWh):	9.189	Final meter reading (kWh):	9.939
10 day baseline peak demand	Power (kW): 4,55	Time (hh:mm):	13 h 24 min
3 day baseline peak demand	Power (kW): 5,83	Time (hh:mm):	12 h 13 min
Demand at the network peak	Power (kW): 1,30	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.612	Final meter reading (m³):	1.750
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Electricity consumption (kWh):	750,0
Gas consumption (kWh):	1.540,6
Total energy consumption (kWh):	2.290,6

Final reporting period			
Starting date (dd/mm/yyyy):	10/02/2017	Final date (dd/mm/yyyy):	26/01/2018
Heating Degree Days (°C) :	1.526,5		

Electricity

Initial meter reading (kWh):	9.189	Final meter reading (kWh):	12.449
10 day baseline peak demand	Power (kW): 4,77	Time (hh:mm):	13 h 9 min
3 day baseline peak demand	Power (kW): 6,37	Time (hh:mm):	12 h 56 min
Demand at the network peak	Power (kW): 1,69	Time (hh:mm):	17 h 0 min to 19h 0 min

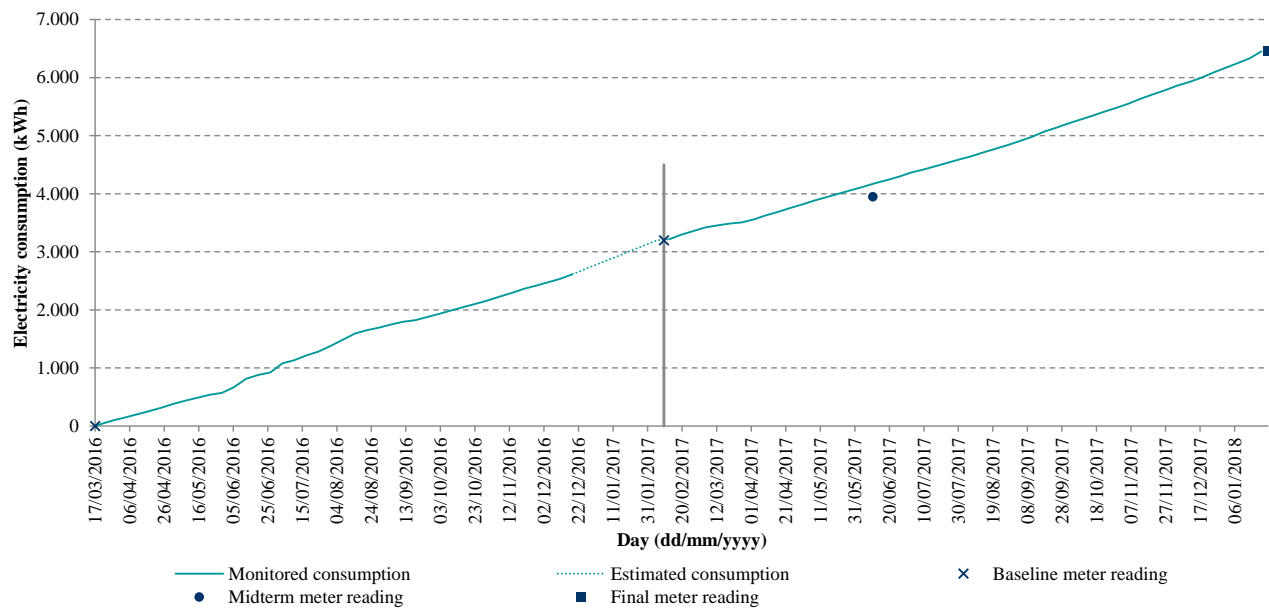
Gas

Initial meter reading (m³):	1.612	Final meter reading (m³):	2.063
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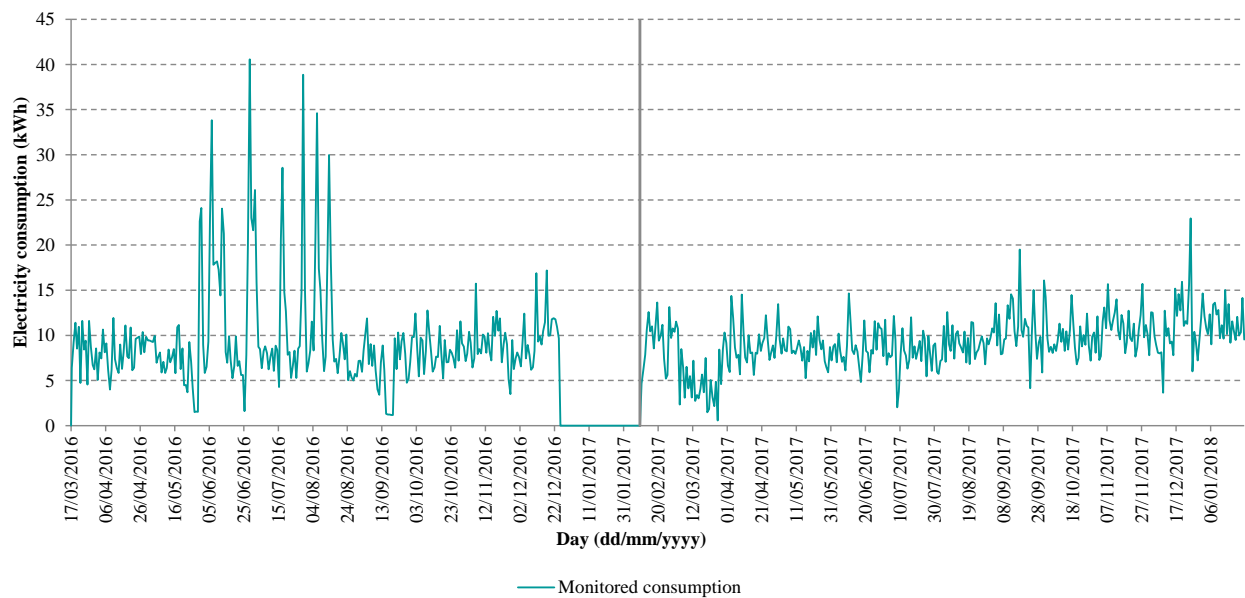
Electricity consumption (kWh):	3.260,0
Gas consumption (kWh):	5.035,2
Total energy consumption (kWh):	8.295,2

Baseline, midterm and final reporting period

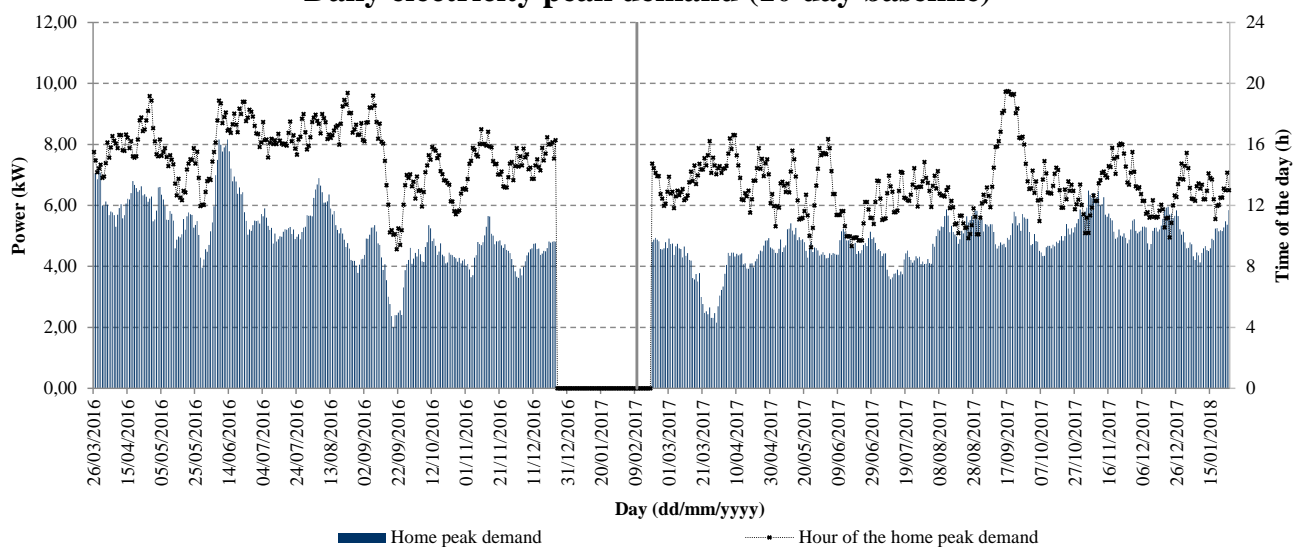
Cumulative electricity consumption



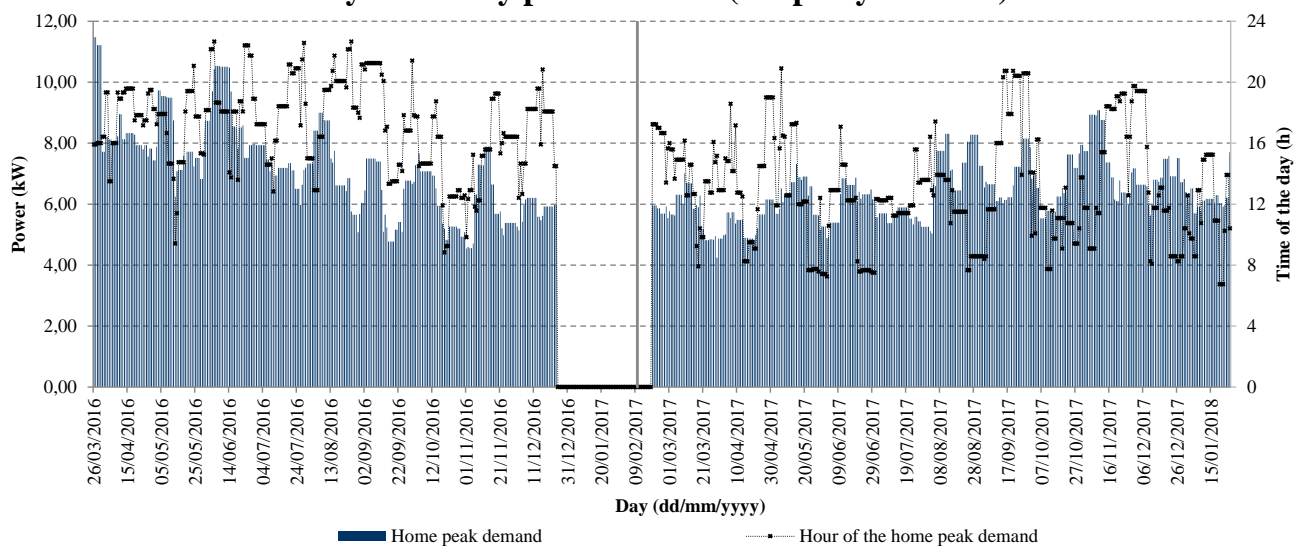
Daily electricity consumption



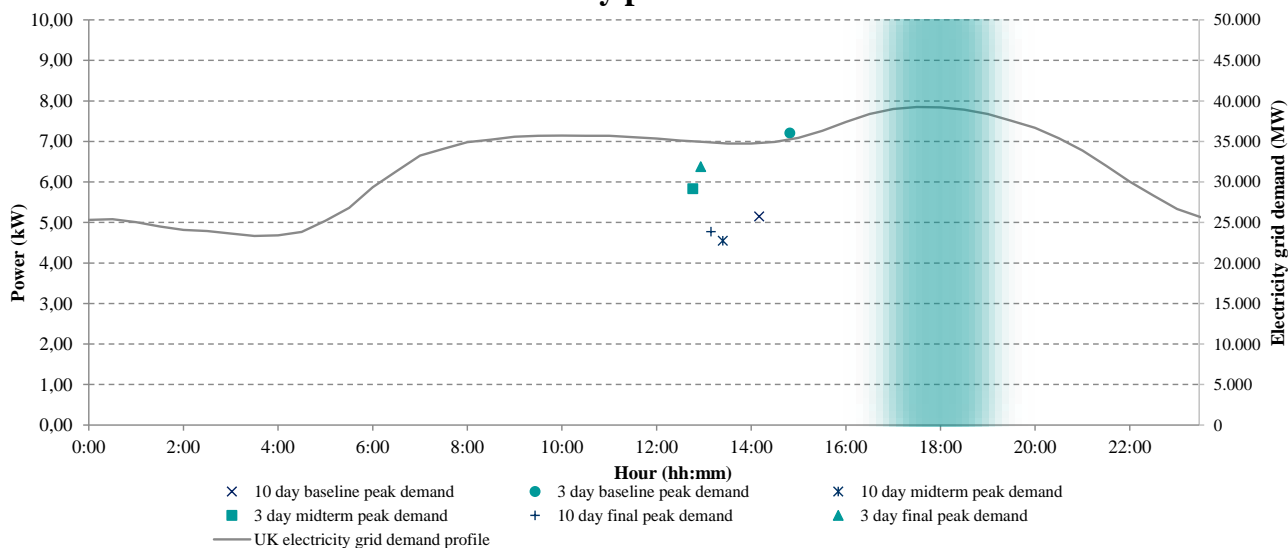
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #017	Dwelling type:	Flat
Construction period:	1976-1982	Floor area (m²):	45
Number of storeys:	1	Number of habitable rooms:	3
Household size:	1	Internet:	No

Energy characteristics

SAP:	76 C	Energy:	Electric only
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5196D	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	2

Gas infrastructure characteristics

Manufacturer:	-	Type:	-
Model:	-		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	10/02/2016	Final date (dd/mm/yyyy):	10/02/2017
Heating Degree Days (°C) :	1.880,5		

Electricity

Initial meter reading (kWh):	25.652	Final meter reading (kWh):	31.454
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	5.802,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	5.802,0

Midterm reporting period			
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Starting date (dd/mm/yyyy):	10/02/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity			
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Initial meter reading (kWh):	31.454	Final meter reading (kWh):	-
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
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Starting date (dd/mm/yyyy):	10/02/2017	Final date (dd/mm/yyyy):	17/01/2018
Heating Degree Days (°C) :	1.457,0		

Electricity			
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Initial meter reading (kWh):	31.454	Final meter reading (kWh):	36.829
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

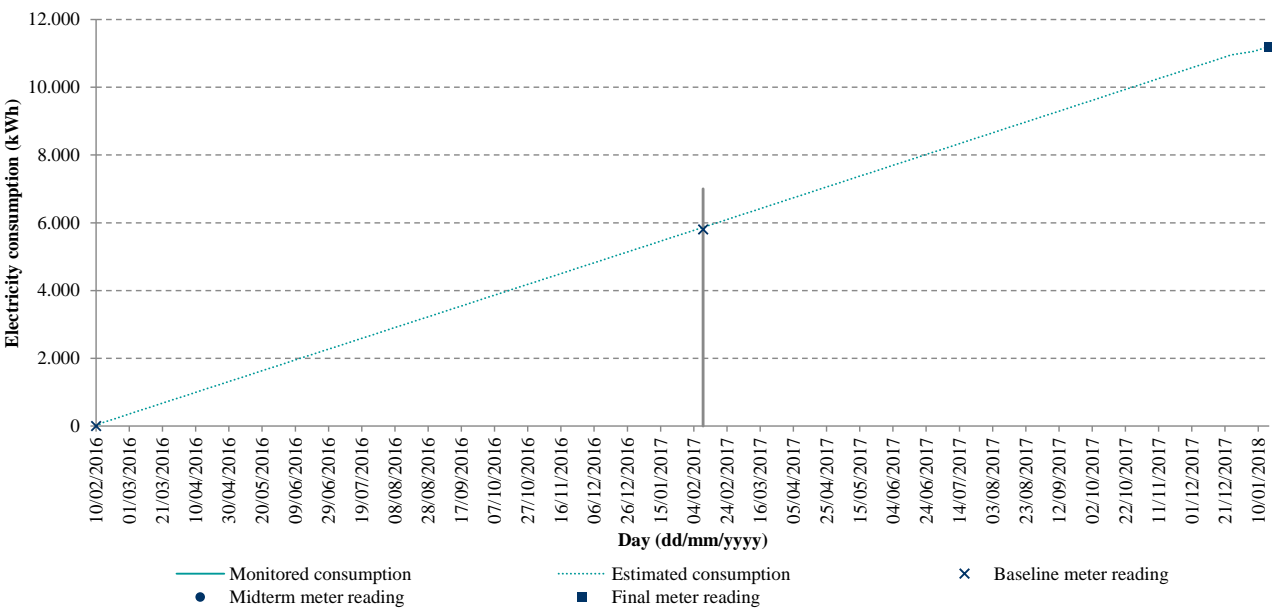
Gas			
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Initial meter reading (m³):	-	Final meter reading (m³):	-
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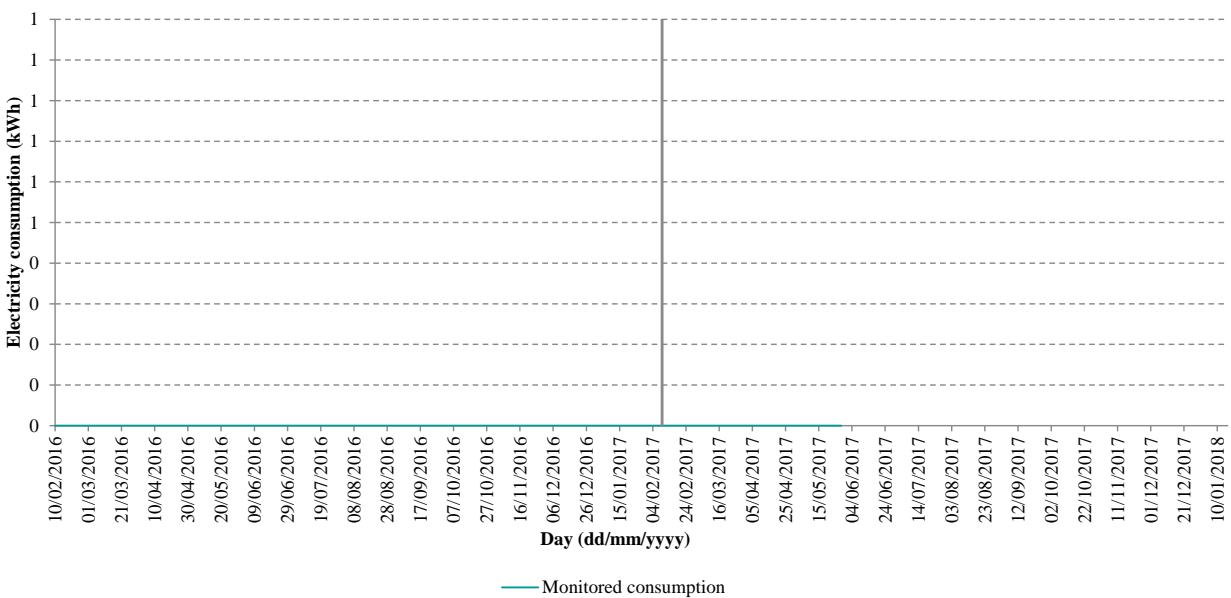
Electricity consumption (kWh):	5.375,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	5.375,0

Baseline, midterm and final reporting period

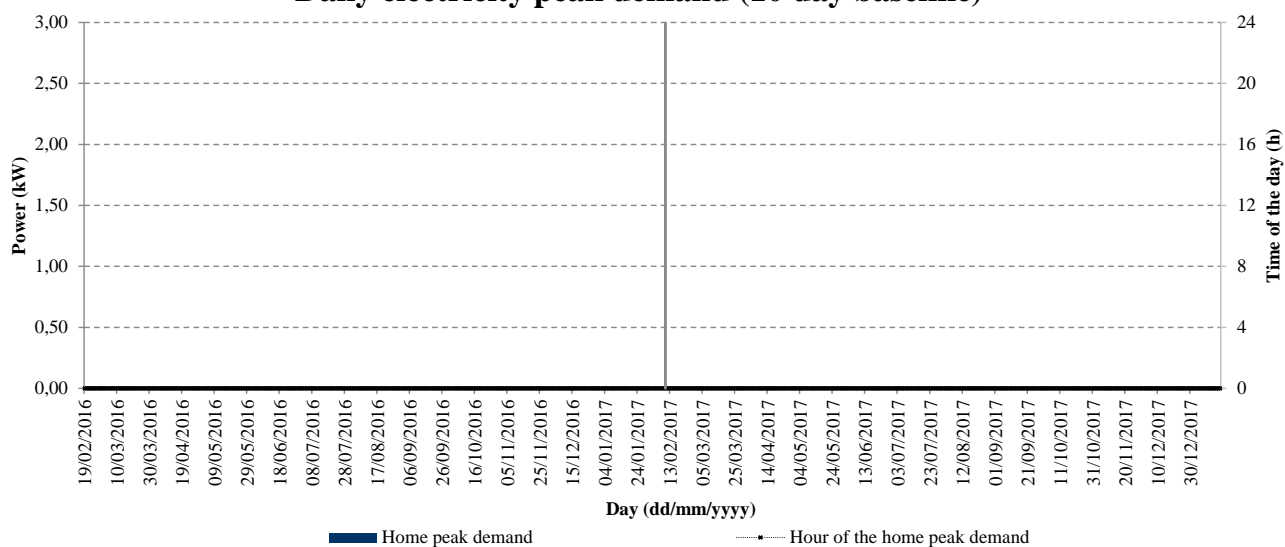
Cumulative electricity consumption



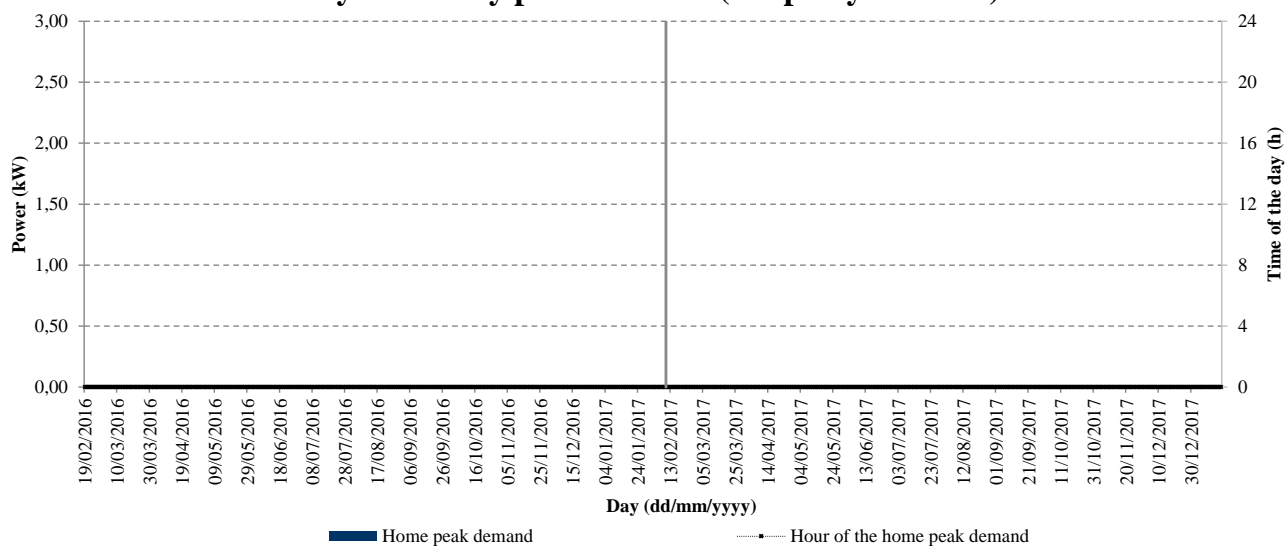
Daily electricity consumption



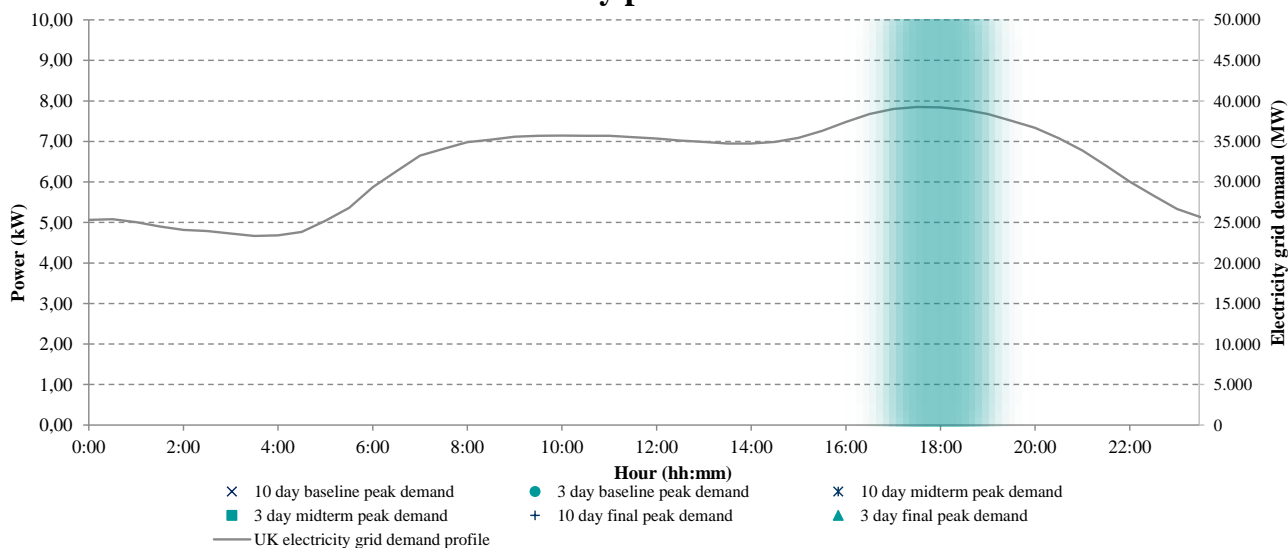
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #018	Dwelling type:	Mid Terrace House
Construction period:	1996-2002	Floor area (m²):	70
Number of storeys:	1	Number of habitable rooms:	4
Household size:	4	Internet:	Yes

Energy characteristics

SAP:	68 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital pre-payment
Model:	ZCE527,1	Conversion factor (impulses/kWh):	1000
Location:	Outdoor	Distance aggregator-meter (m):	4

Gas infrastructure characteristics

Manufacturer:	Schroder	Type:	Analogue
Model:	BK-G4		
Location:	Outdoor	Distance aggregator-meter (m):	4

Baseline period

Starting date (dd/mm/yyyy):	19/02/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.495,0		

Electricity

Initial meter reading (kWh):	38.538	Final meter reading (kWh):	42.584
10 day baseline peak demand	Power (kW): 3,15	Time (hh:mm):	16 h 58 min
3 day baseline peak demand	Power (kW): 4,42	Time (hh:mm):	16 h 55 min
Demand at the network peak	Power (kW): 0,81	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	12.518	Final meter reading (m³):	13.557
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Electricity consumption (kWh):	4.046,0
Gas consumption (kWh):	11.599,2
Total energy consumption (kWh):	15.645,2

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	42.584	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	13.557	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	23/01/2018
Heating Degree Days (°C) :	1.777,0		

Electricity

Initial meter reading (kWh):	42.584	Final meter reading (kWh):	47.395
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

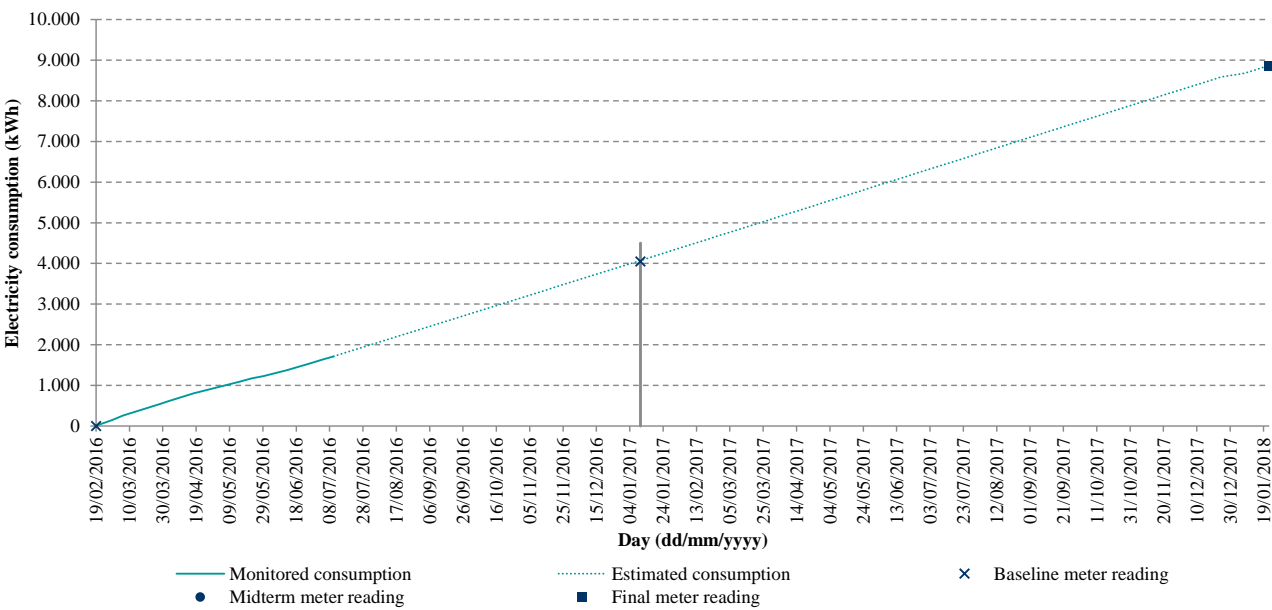
Gas

Initial meter reading (m³):	13.557	Final meter reading (m³):	14.827
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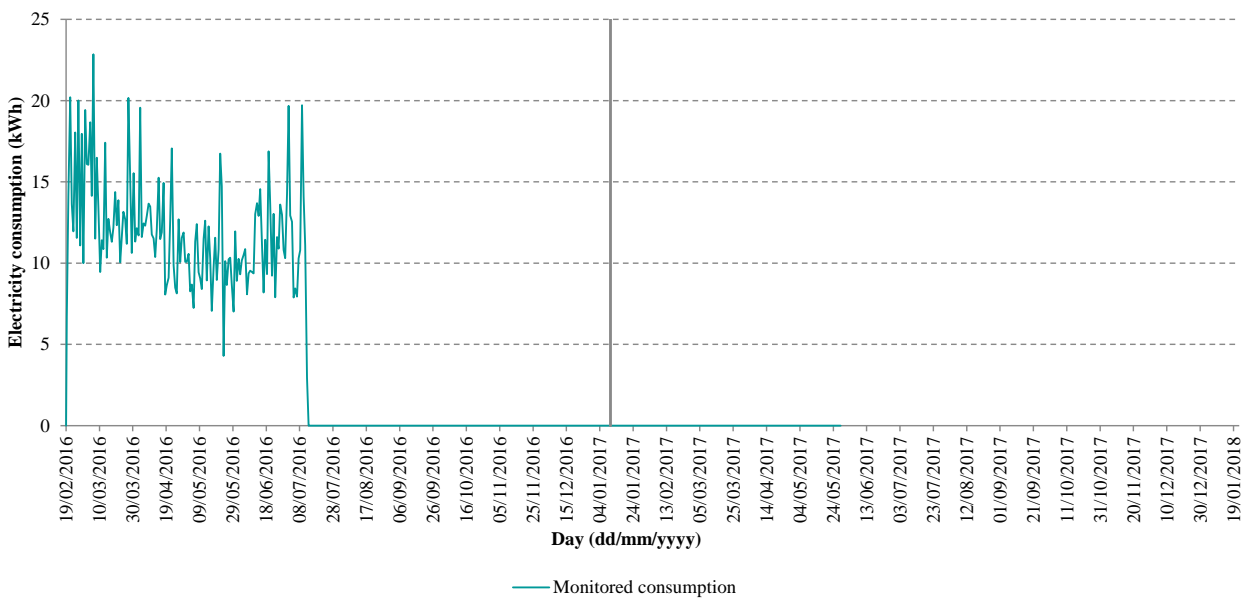
Electricity consumption (kWh):	4.811,3
Gas consumption (kWh):	14.175,0
Total energy consumption (kWh):	18.986,3

Baseline, midterm and final reporting period

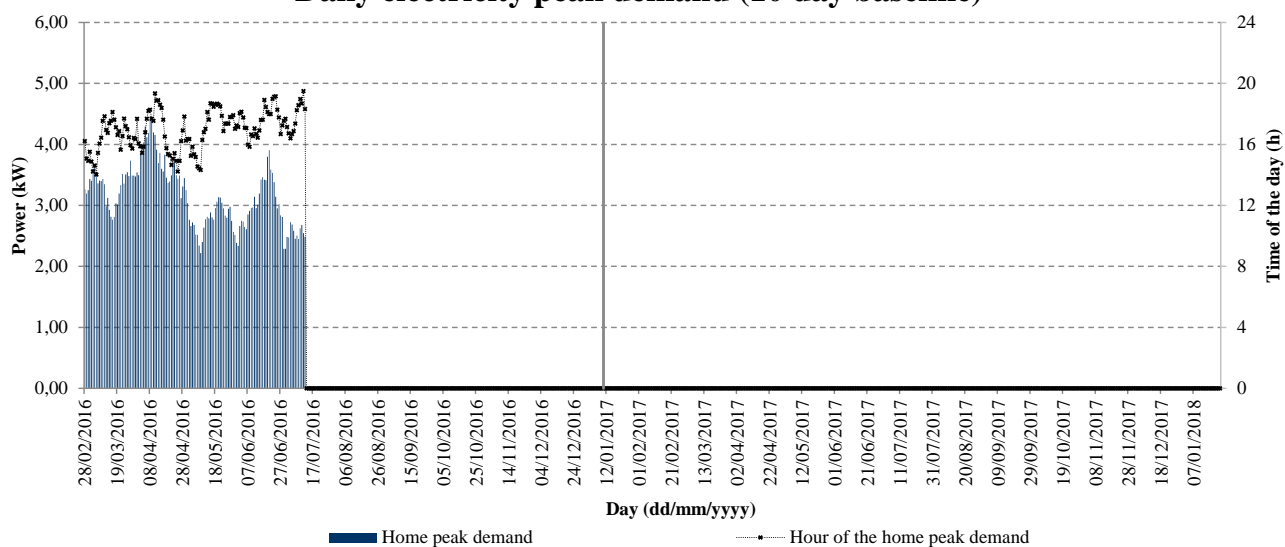
Cumulative electricity consumption



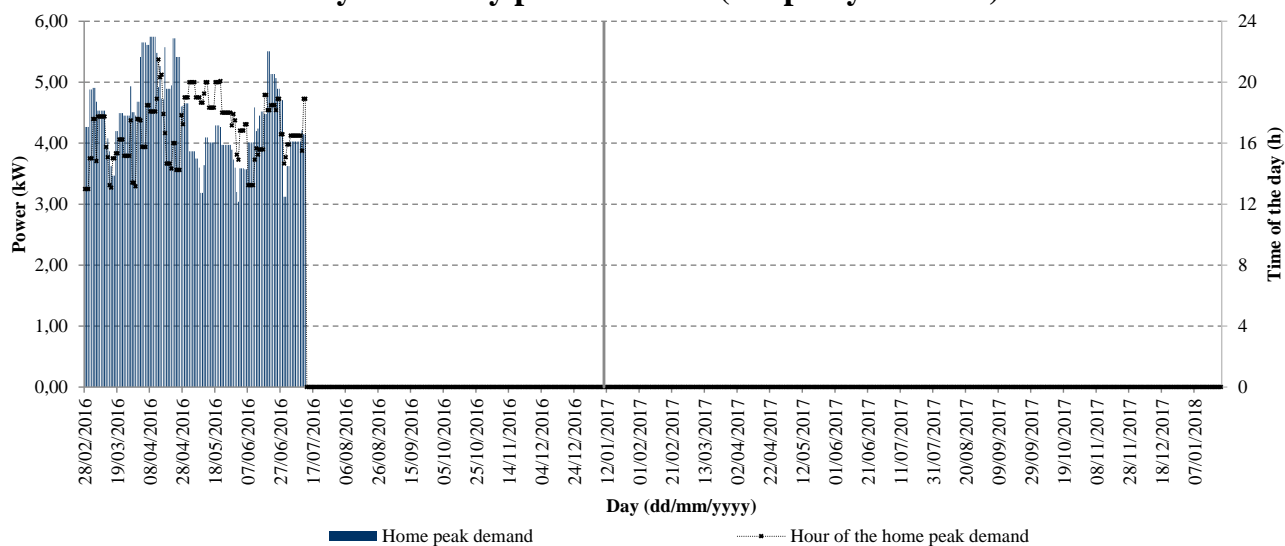
Daily electricity consumption



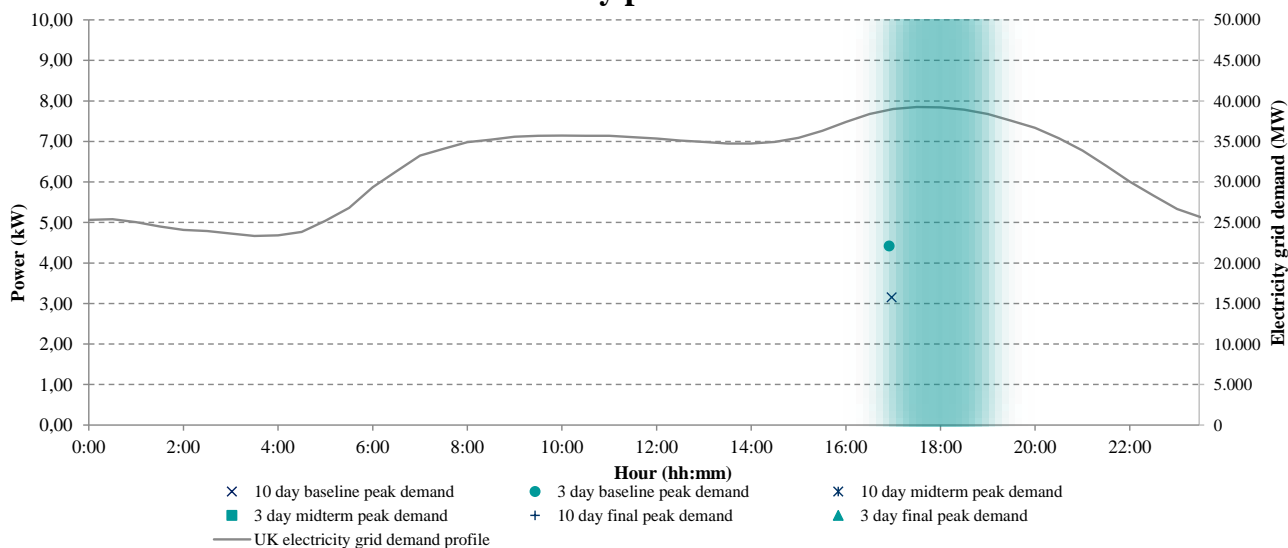
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #019	Dwelling type:	End Terrace House
Construction period:	1991-1995	Floor area (m²):	75
Number of storeys:	1	Number of habitable rooms:	4
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	67 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Outdoor	Distance aggregator-meter (m):	2

Gas infrastructure characteristics

Manufacturer:	Schlumberger	Type:	Analogue
Model:	-		
Location:	Outdoor	Distance aggregator-meter (m):	2,5

Baseline period

Starting date (dd/mm/yyyy):	10/02/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	1.622,5		

Electricity

Initial meter reading (kWh):	22.180	Final meter reading (kWh):	24.357
10 day baseline peak demand	Power (kW): 2,33	Time (hh:mm):	15 h 9 min
3 day baseline peak demand	Power (kW): 4,51	Time (hh:mm):	16 h 18 min
Demand at the network peak	Power (kW): 0,70	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	26	Final meter reading (m³):	37
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Electricity consumption (kWh):	2.177,0
Gas consumption (kWh):	123,3
Total energy consumption (kWh):	2.300,3

Midterm reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	24.357	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 2,40	Time (hh:mm):	16 h 0 min
3 day baseline peak demand	Power (kW): 5,48	Time (hh:mm):	15 h 11 min
Demand at the network peak	Power (kW): 0,22	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	37	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	17/01/2018
Heating Degree Days (°C) :	1.714,0		

Electricity

Initial meter reading (kWh):	24.357	Final meter reading (kWh):	1.755
10 day baseline peak demand	Power (kW): 2,40	Time (hh:mm):	16 h 0 min
3 day baseline peak demand	Power (kW): 5,48	Time (hh:mm):	15 h 11 min
Demand at the network peak	Power (kW): 0,12	Time (hh:mm):	17 h 0 min to 19h 0 min

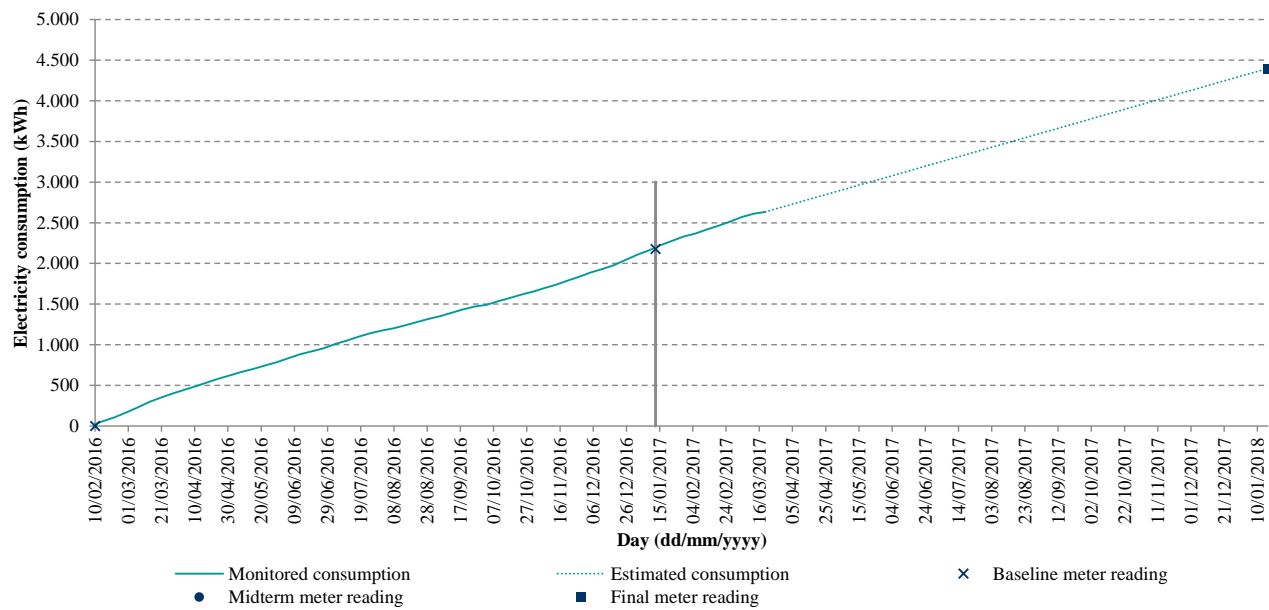
Gas

Initial meter reading (m³):	37	Final meter reading (m³):	781
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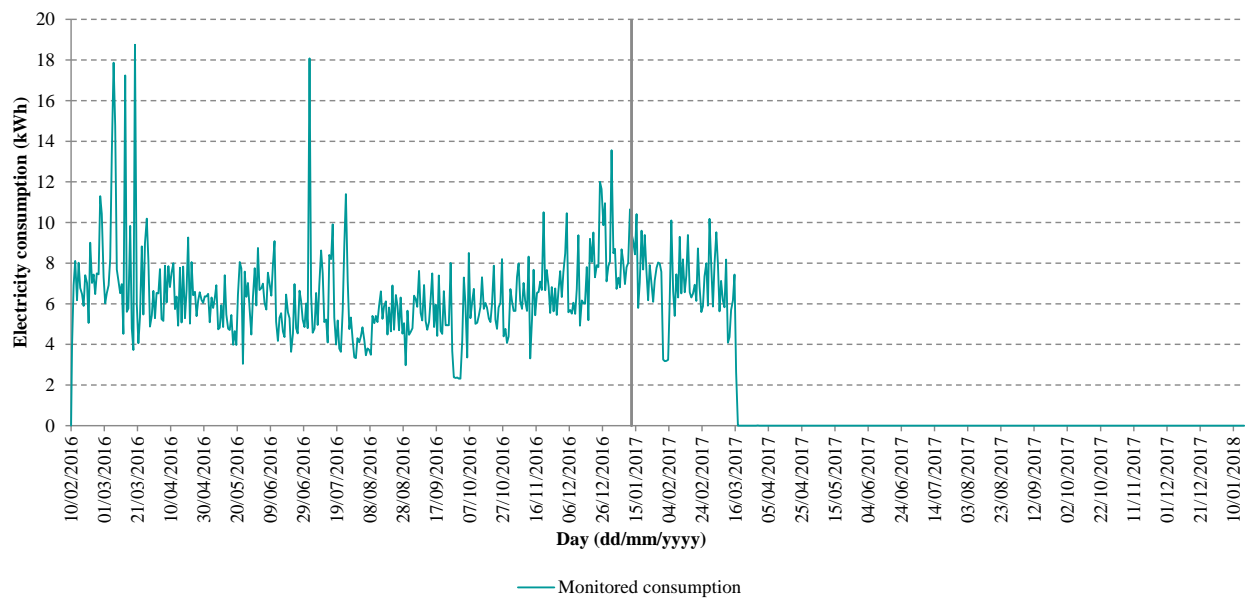
Electricity consumption (kWh):	2.211,3
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Baseline, midterm and final reporting period

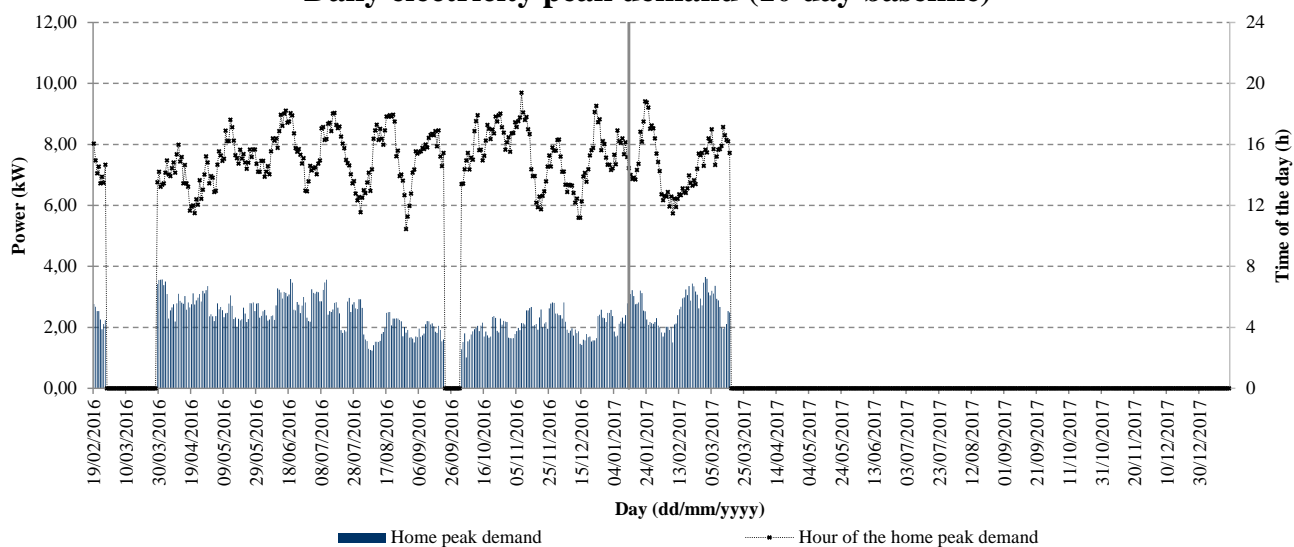
Cumulative electricity consumption



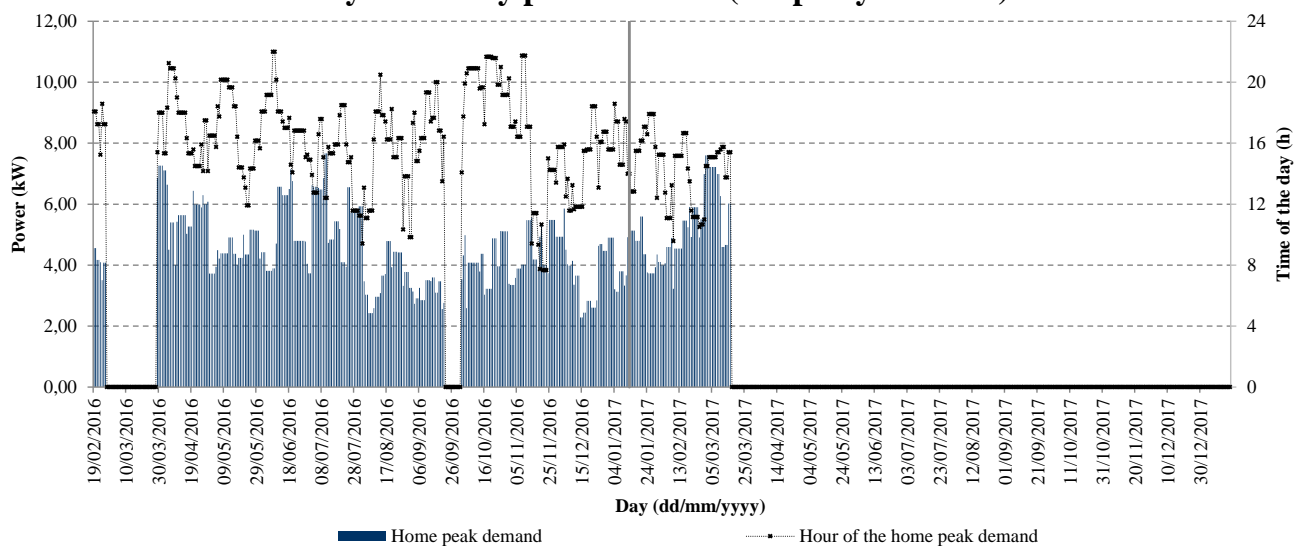
Daily electricity consumption



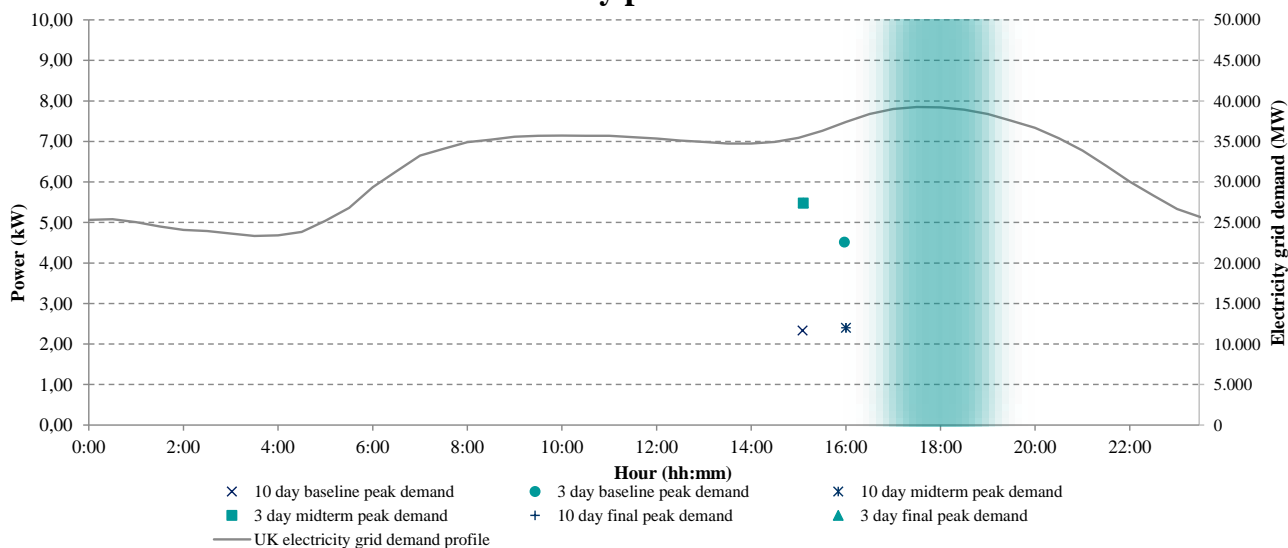
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #020	Dwelling type:	Mid Terrace House
Construction period:	1976-1982	Floor area (m²):	80
Number of storeys:	2	Number of habitable rooms:	3
Household size:	3	Internet:	Yes

Energy characteristics

SAP:	62 D	Energy:	Gas and Electric
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	English electric	Type:	Analogue
Model:	C11B/M	Conversion factor (impulses/kWh):	200
Location:	Outdoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	G4		
Location:	External cupboard	Distance aggregator-meter (m):	5

Baseline period

Starting date (dd/mm/yyyy):	10/02/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	1622,5		

Electricity

Initial meter reading (kWh):	14.338	Final meter reading (kWh):	17.410
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	206	Final meter reading (m³):	207
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Electricity consumption (kWh):	3.072,0
Gas consumption (kWh):	13,0
Total energy consumption (kWh):	3.085,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	30/05/2017
Heating Degree Days (°C) :	889,5		

Electricity

Initial meter reading (kWh):	17.410	Final meter reading (kWh):	18.642
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	207	Final meter reading (m³):	209
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Electricity consumption (kWh):	1.232,0
Gas consumption (kWh):	20,5
Total energy consumption (kWh):	1.252,5

Final reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	23/01/2018
Heating Degree Days (°C) :	1761		

Electricity

Initial meter reading (kWh):	17.410	Final meter reading (kWh):	20.871
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

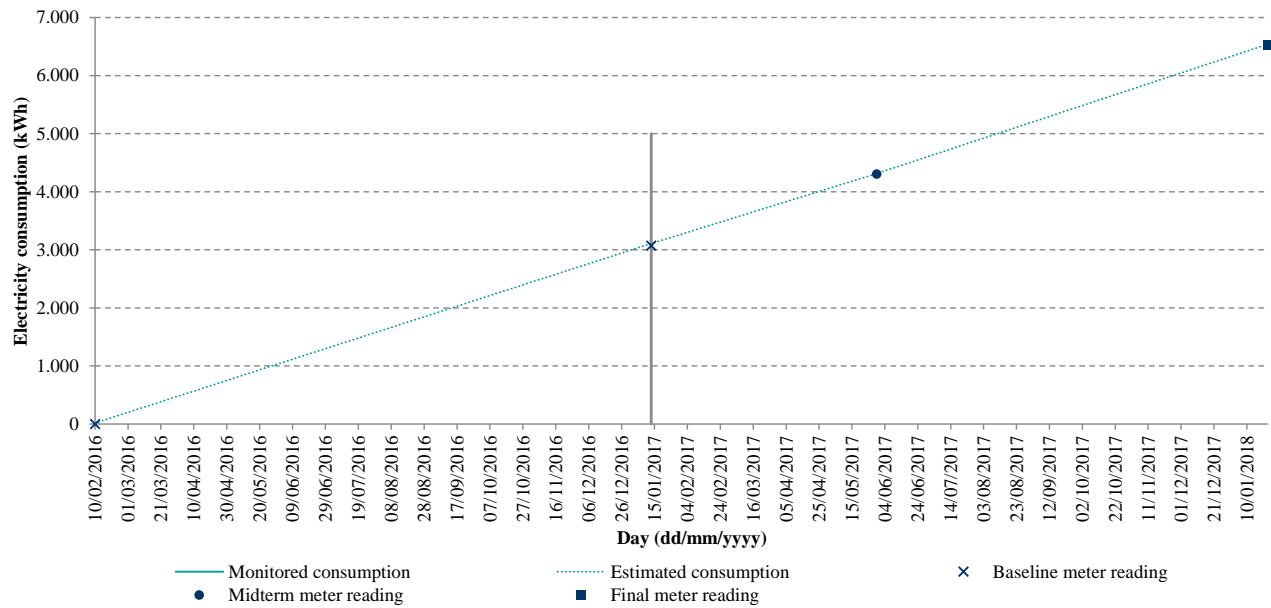
Gas

Initial meter reading (m³):	207	Final meter reading (m³):	211
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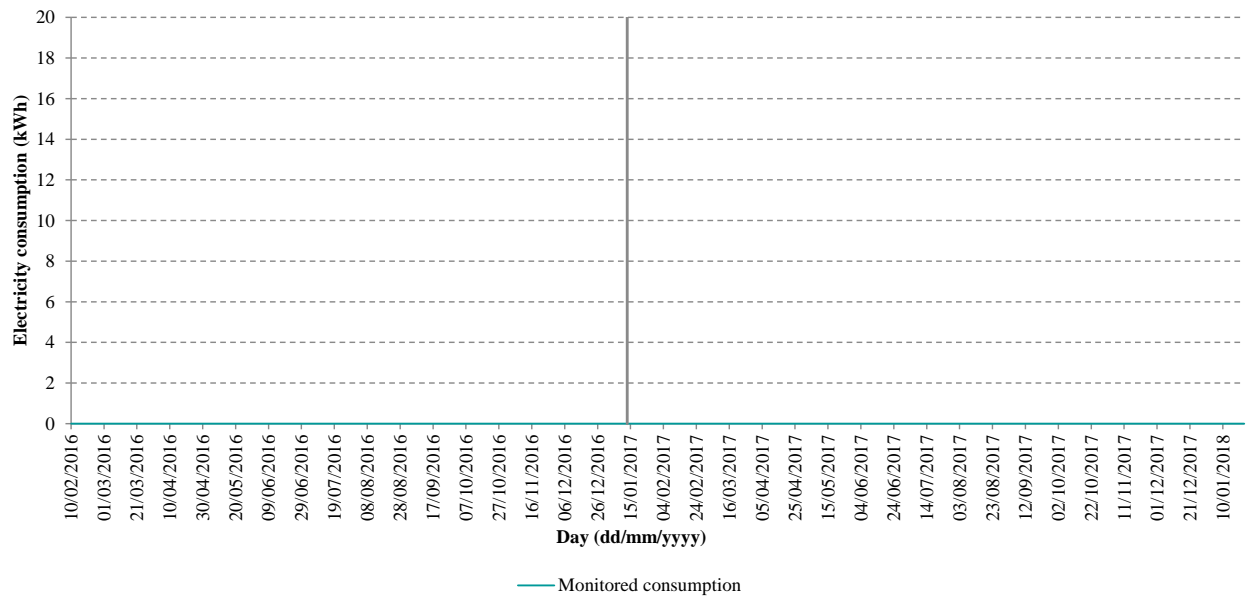
Electricity consumption (kWh):	3.461,0
Gas consumption (kWh):	44,9
Total energy consumption (kWh):	3.505,9

Baseline, midterm and final reporting period

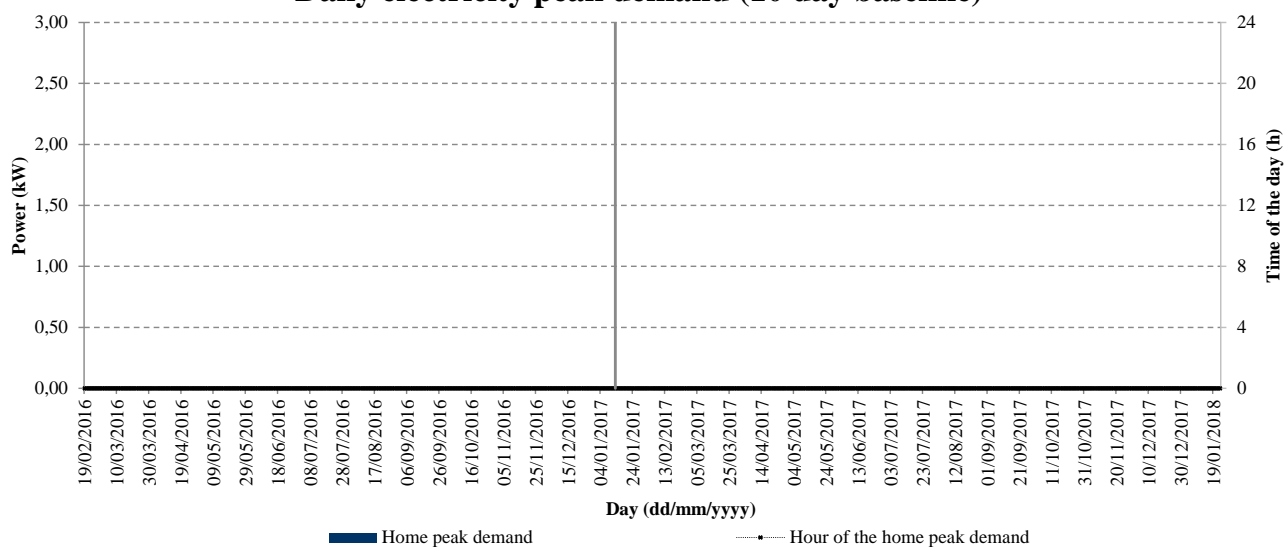
Cumulative electricity consumption



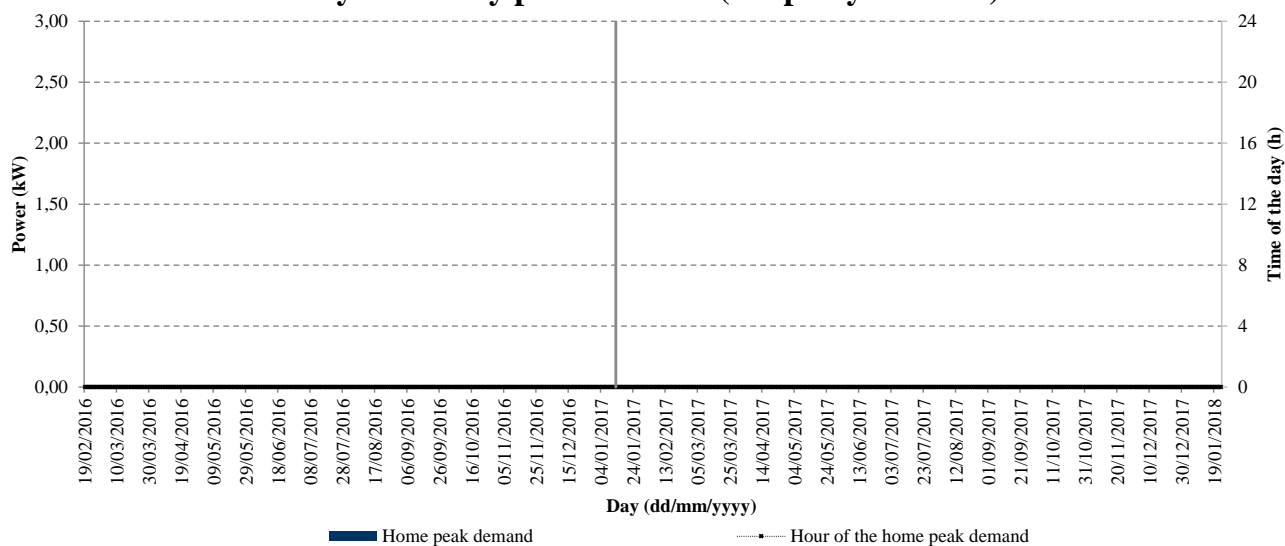
Daily electricity consumption



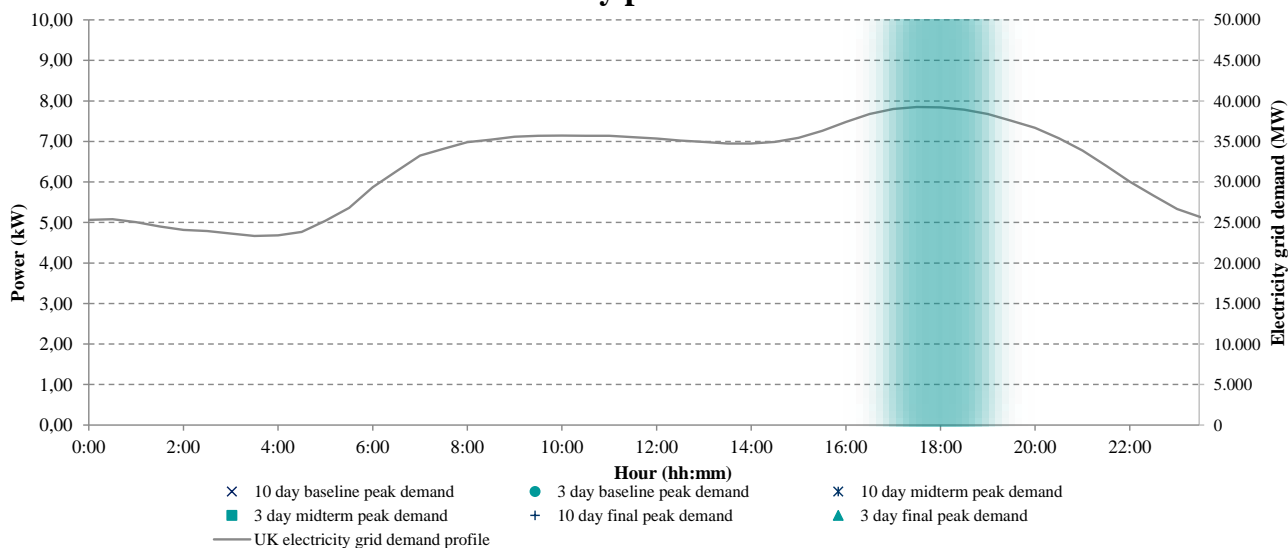
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #021	Dwelling type:	Mid Terrace House
Construction period:	2003-2006	Floor area (m²):	85
Number of storeys:	2	Number of habitable rooms:	5
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	74 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Actaris	Type:	Pre-payment
Model:	ACE9000 KBD	Conversion factor (impulses/kWh):	800
Location:	Outdoor	Distance aggregator-meter (m):	2

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	G370		
Location:	Outdoor	Distance aggregator-meter (m):	2

Baseline period

Starting date (dd/mm/yyyy):	22/03/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.172,0		

Electricity

Initial meter reading (kWh):	64.638	Final meter reading (kWh):	70.009
10 day baseline peak demand	Power (kW): 6,27	Time (hh:mm):	15 h 33 min
3 day baseline peak demand	Power (kW): 8,97	Time (hh:mm):	17 h 32 min
Demand at the network peak	Power (kW): 2,14	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.273	Final meter reading (m³):	323
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Electricity consumption (kWh):	5.371,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	70.009	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 6,21	Time (hh:mm):	15 h 44 min
3 day baseline peak demand	Power (kW): 8,95	Time (hh:mm):	19 h 46 min
Demand at the network peak	Power (kW): 2,02	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	323	Final meter reading (m³):	-
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Electricity consumption (kWh):	2.808,8
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	24/01/2018
Heating Degree Days (°C) :	1.783,5		

Electricity

Initial meter reading (kWh):	70.009	Final meter reading (kWh):	77.477
10 day baseline peak demand	Power (kW): 6,64	Time (hh:mm):	15 h 32 min
3 day baseline peak demand	Power (kW): 9,39	Time (hh:mm):	18 h 5 min
Demand at the network peak	Power (kW): 1,93	Time (hh:mm):	17 h 0 min to 19h 0 min

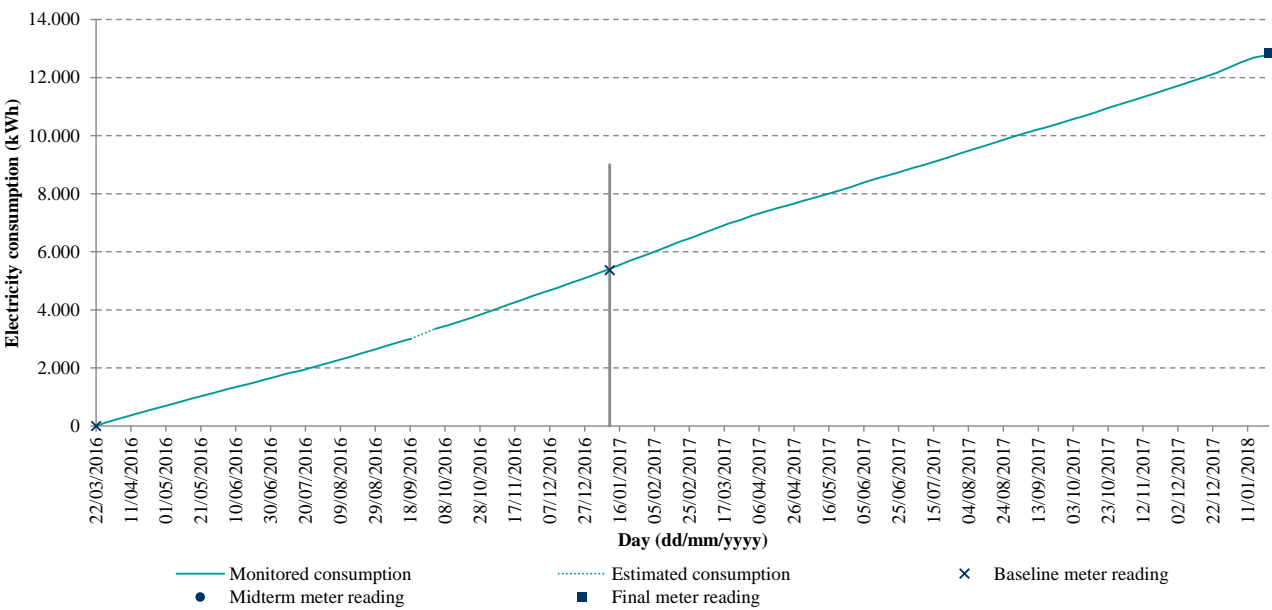
Gas

Initial meter reading (m³):	323	Final meter reading (m³):	865
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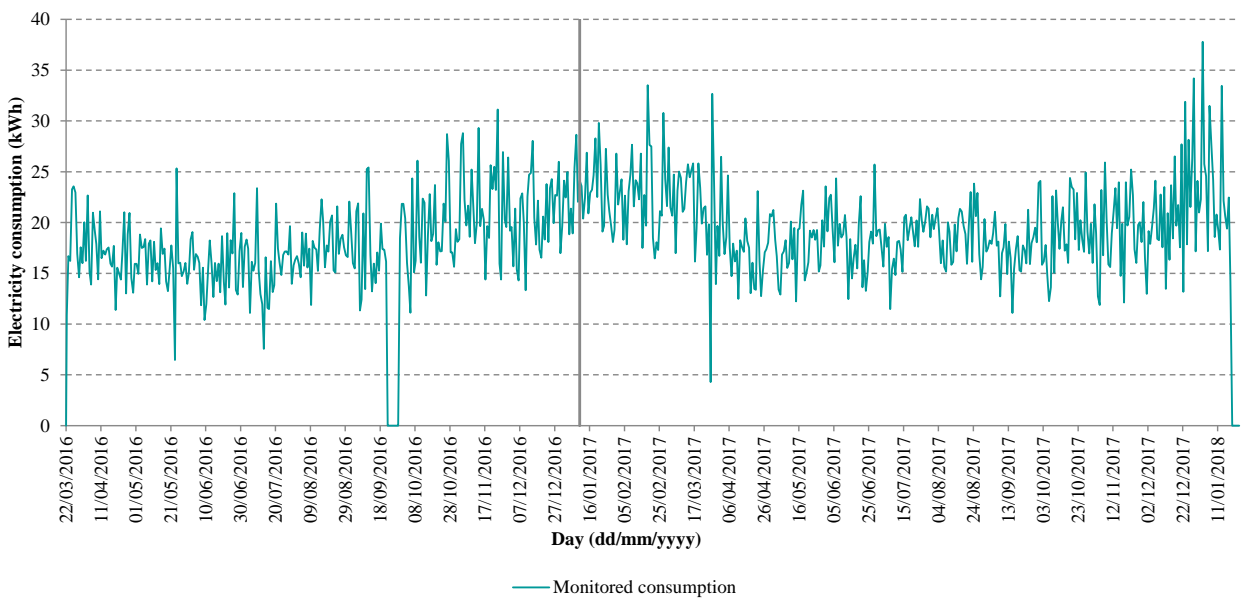
Electricity consumption (kWh):	7.468,0
Gas consumption (kWh):	6.046,0
Total energy consumption (kWh):	13.514,0

Baseline, midterm and final reporting period

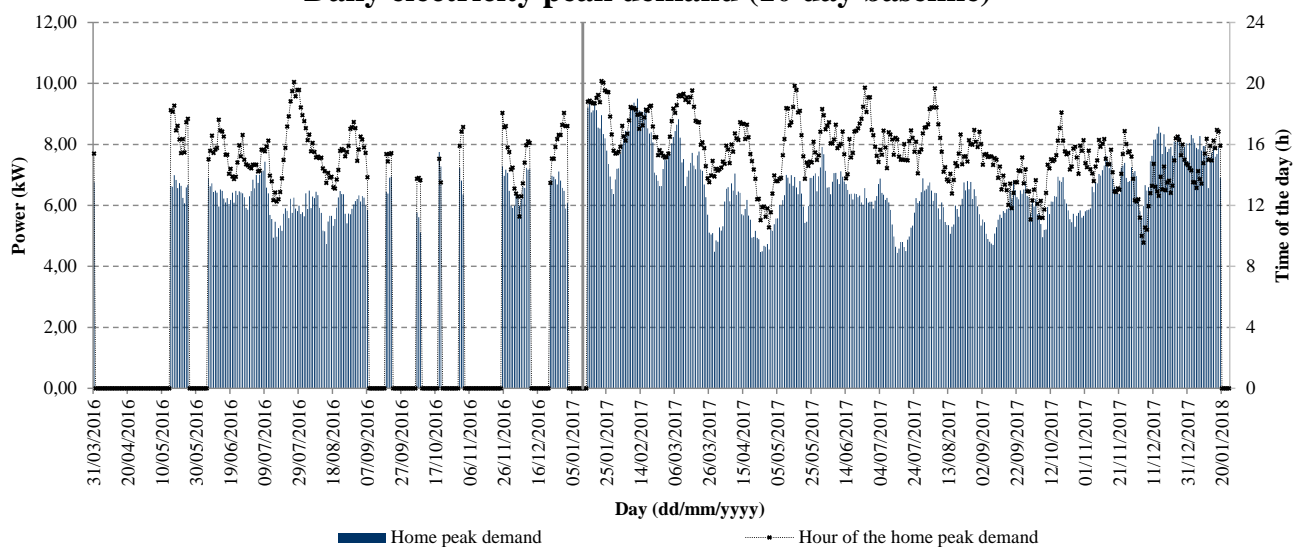
Cumulative electricity consumption



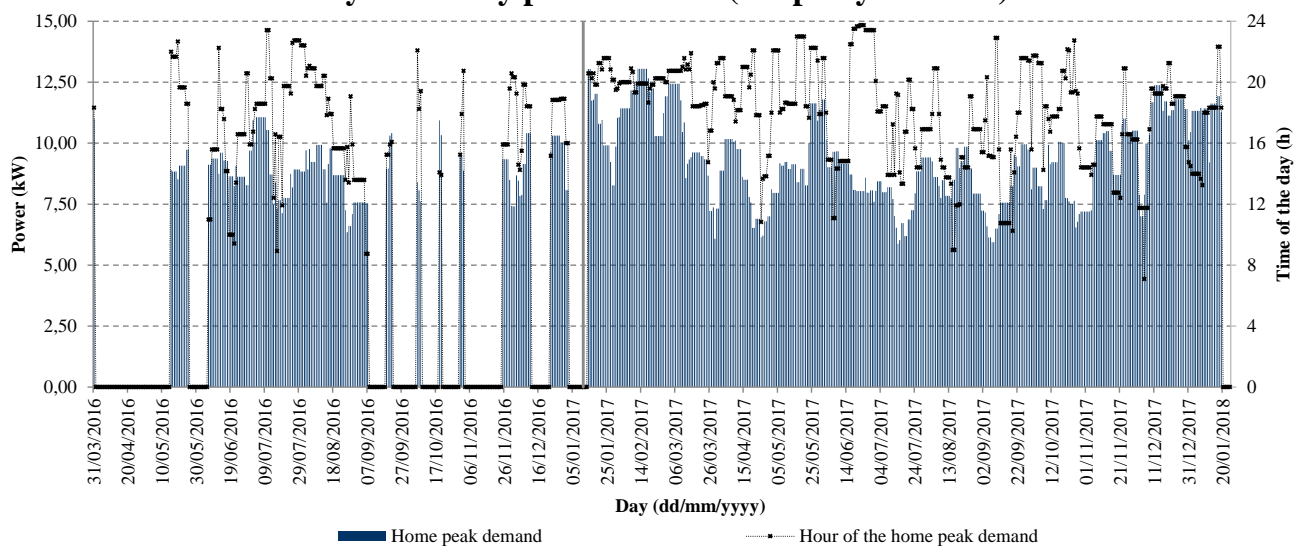
Daily electricity consumption



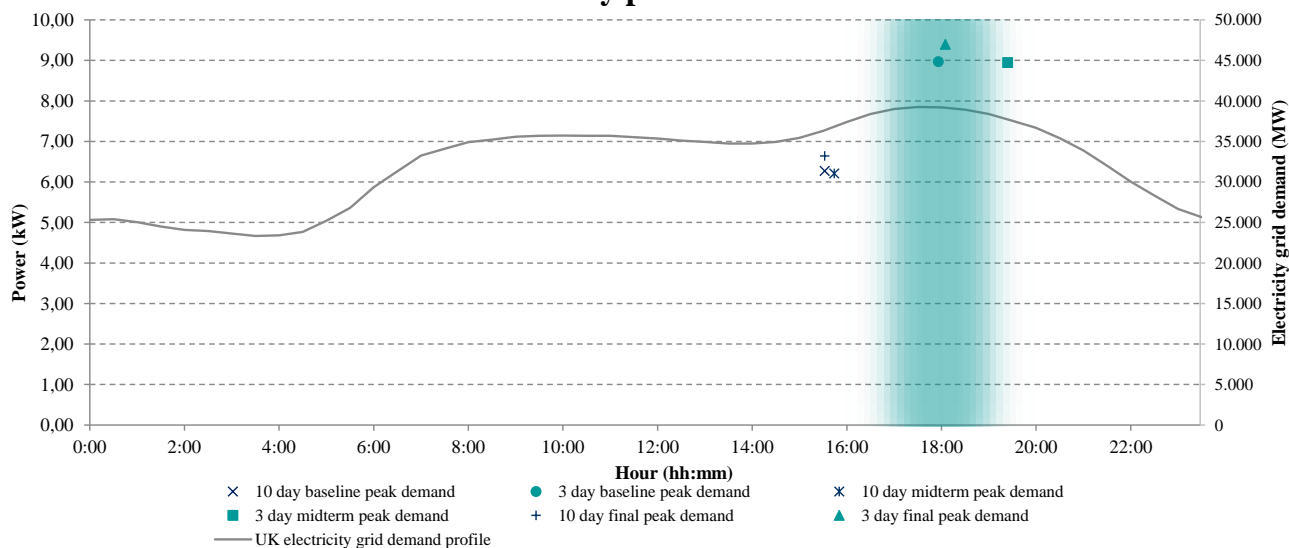
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #022	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	104
Number of storeys:	2	Number of habitable rooms:	3
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	75 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E470	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1.5

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	G370		
Location:	Indoor	Distance aggregator-meter (m):	1

Baseline period

Starting date (dd/mm/yyyy):	18/02/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	1.528,5		

Electricity

Initial meter reading (kWh):	769	Final meter reading (kWh):	1.451
10 day baseline peak demand	Power (kW): 1,81	Time (hh:mm):	9 h 59 min
3 day baseline peak demand	Power (kW): 3,55	Time (hh:mm):	12 h 10 min
Demand at the network peak	Power (kW): 0,43	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	483	Final meter reading (m³):	684
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Electricity consumption (kWh):	682,0
Gas consumption (kWh):	2.243,9
Total energy consumption (kWh):	2.925,9

Midterm reporting period			
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Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	30/05/2017
Heating Degree Days (°C) :	889,5		

Electricity			
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Initial meter reading (kWh):	1.451	Final meter reading (kWh):	1.687
10 day baseline peak demand	Power (kW): 1,47	Time (hh:mm):	12 h 32 min
3 day baseline peak demand	Power (kW): 3,67	Time (hh:mm):	13 h 14 min
Demand at the network peak	Power (kW): 0,15	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	684	Final meter reading (m³):	784
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Electricity consumption (kWh):	236,0
Gas consumption (kWh):	1.116,4
Total energy consumption (kWh):	1.352,4

Final reporting period			
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Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity			
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Initial meter reading (kWh):	1.451	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 1,53	Time (hh:mm):	12 h 27 min
3 day baseline peak demand	Power (kW): 3,70	Time (hh:mm):	13 h 42 min
Demand at the network peak	Power (kW): 0,18	Time (hh:mm):	17 h 0 min to 19h 0 min

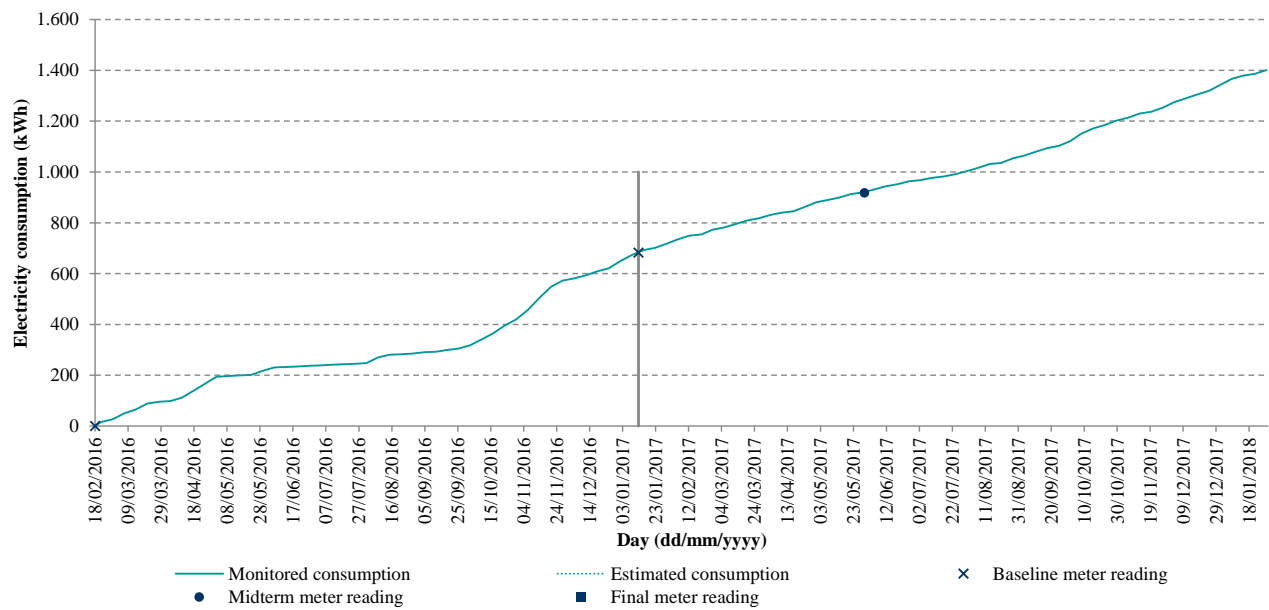
Gas			
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Initial meter reading (m³):	684	Final meter reading (m³):	*
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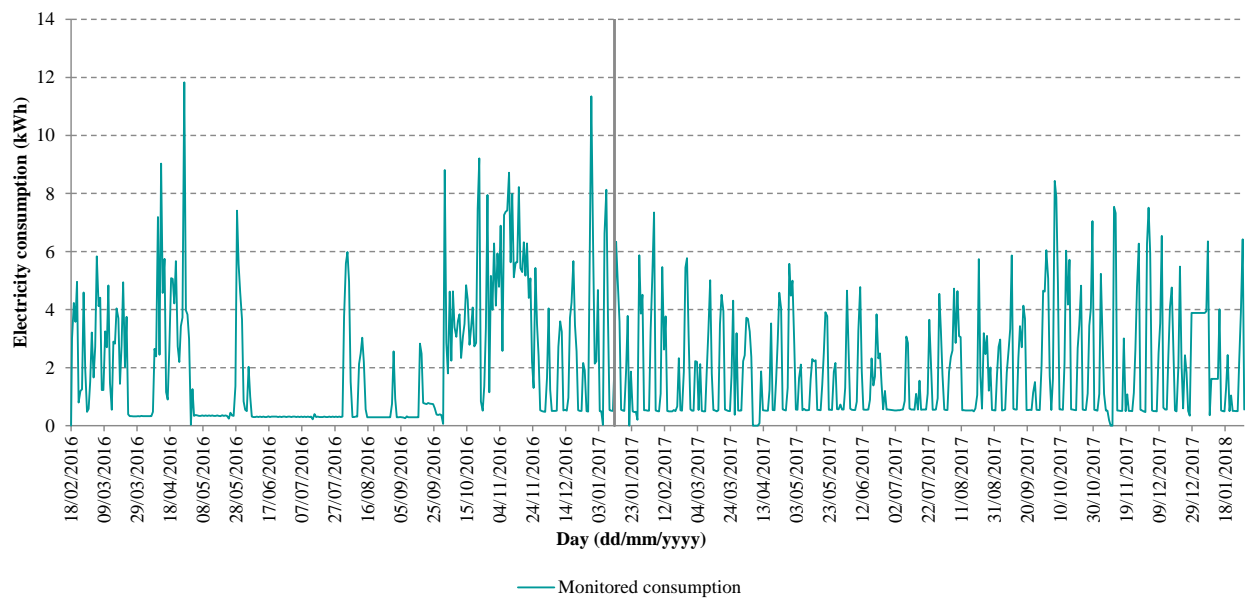
Electricity consumption (kWh):	719,2
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Baseline, midterm and final reporting period

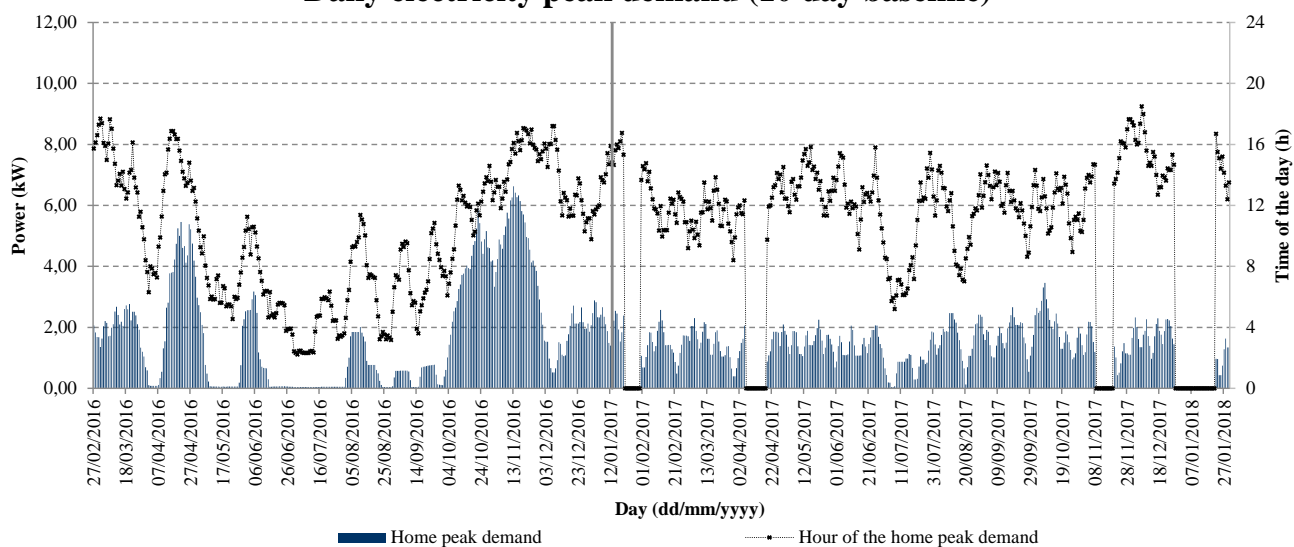
Cumulative electricity consumption



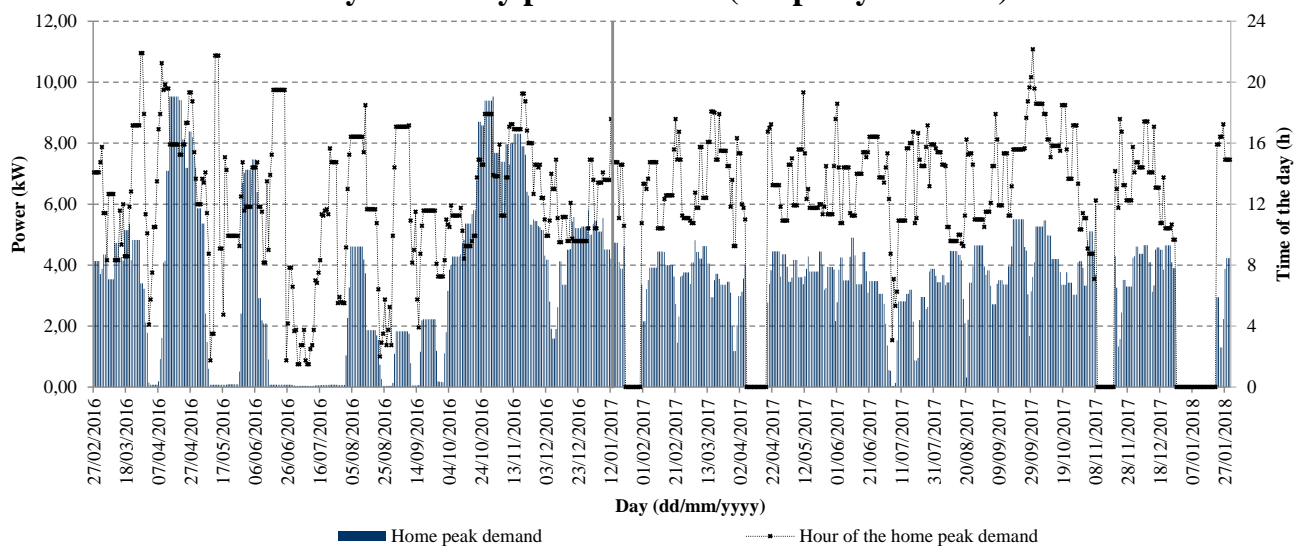
Daily electricity consumption



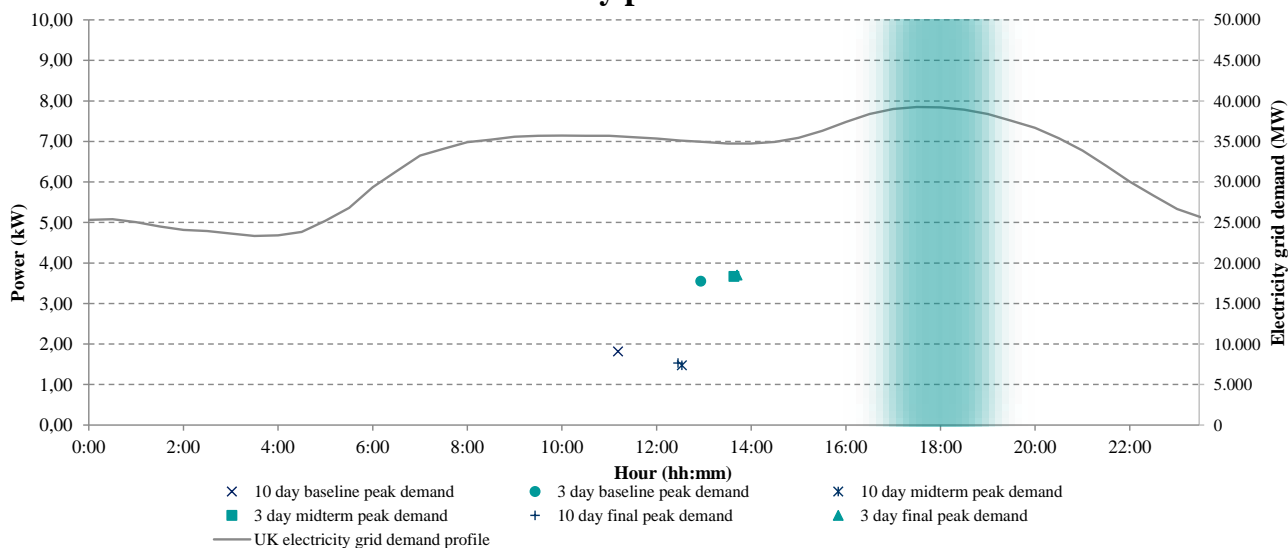
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #023	Dwelling type:	Flat
Construction period:	1976-1982	Floor area (m²):	60
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	No

Energy characteristics

SAP:	56 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Outdoor	Distance aggregator-meter (m):	5

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	G4		
Location:	Outdoor	Distance aggregator-meter (m):	6

Baseline period

Starting date (dd/mm/yyyy):	17/02/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C) :	1.572,0		

Electricity

Initial meter reading (kWh):	31.320	Final meter reading (kWh):	35.899
10 day baseline peak demand	Power (kW): 4,95	Time (hh:mm):	15 h 2 min
3 day baseline peak demand	Power (kW): 8,79	Time (hh:mm):	15 h 29 min
Demand at the network peak	Power (kW): 1,41	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.626	Final meter reading (m³):	2.913
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Electricity consumption (kWh):	4.579,0
Gas consumption (kWh):	3.204,0
Total energy consumption (kWh):	7.783,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	14/05/2017
Heating Degree Days (°C) :	819,5		

Electricity

Initial meter reading (kWh):	35.899	Final meter reading (kWh):	37.698
10 day baseline peak demand	Power (kW): 4,87	Time (hh:mm):	13 h 49 min
3 day baseline peak demand	Power (kW): 8,73	Time (hh:mm):	12 h 28 min
Demand at the network peak	Power (kW): 1,39	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.913	Final meter reading (m³):	3.029
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Electricity consumption (kWh):	1.799,0
Gas consumption (kWh):	1.295,0
Total energy consumption (kWh):	3.094,0

Final reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	25/01/2018
Heating Degree Days (°C) :	1.738,0		

Electricity

Initial meter reading (kWh):	35.899	Final meter reading (kWh):	399
10 day baseline peak demand	Power (kW): 4,63	Time (hh:mm):	15 h 2 min
3 day baseline peak demand	Power (kW): 8,41	Time (hh:mm):	14 h 9 min
Demand at the network peak	Power (kW): 1,19	Time (hh:mm):	17 h 0 min to 19h 0 min

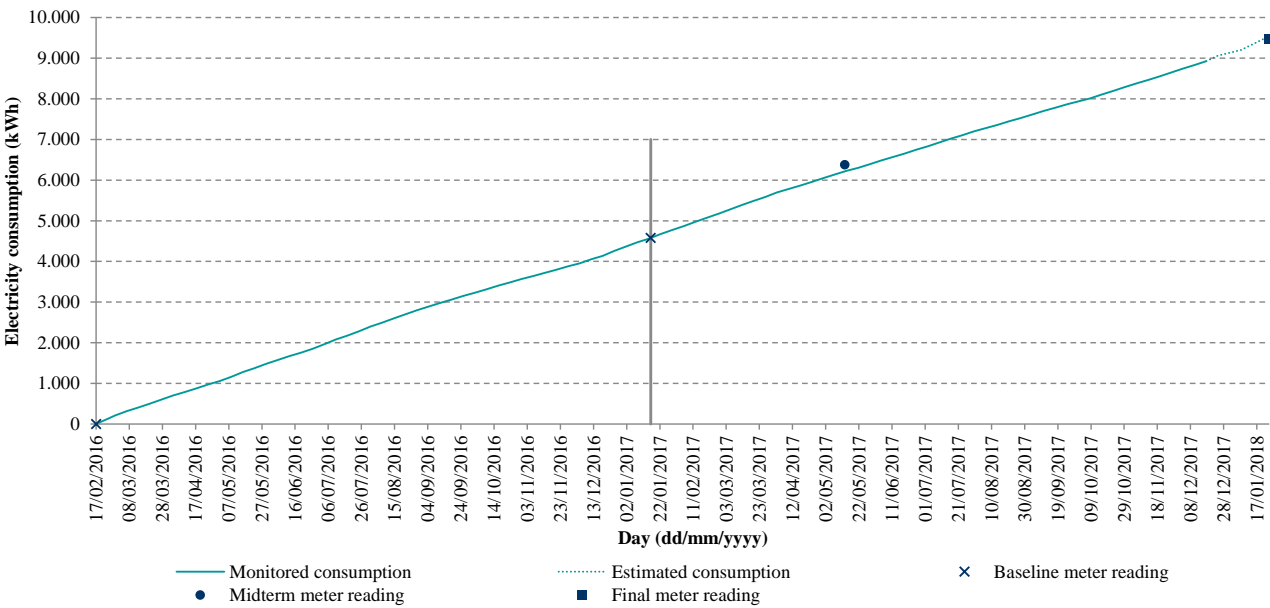
Gas

Initial meter reading (m³):	2.913	Final meter reading (m³):	2.004
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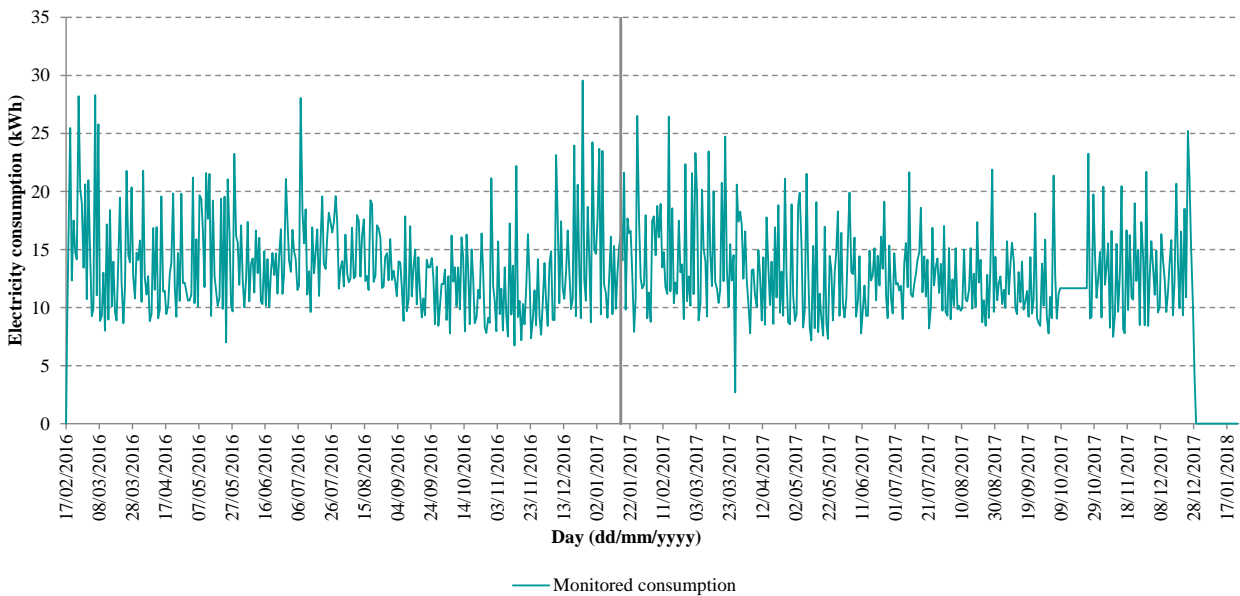
Electricity consumption (kWh):	9.479,8
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Baseline, midterm and final reporting period

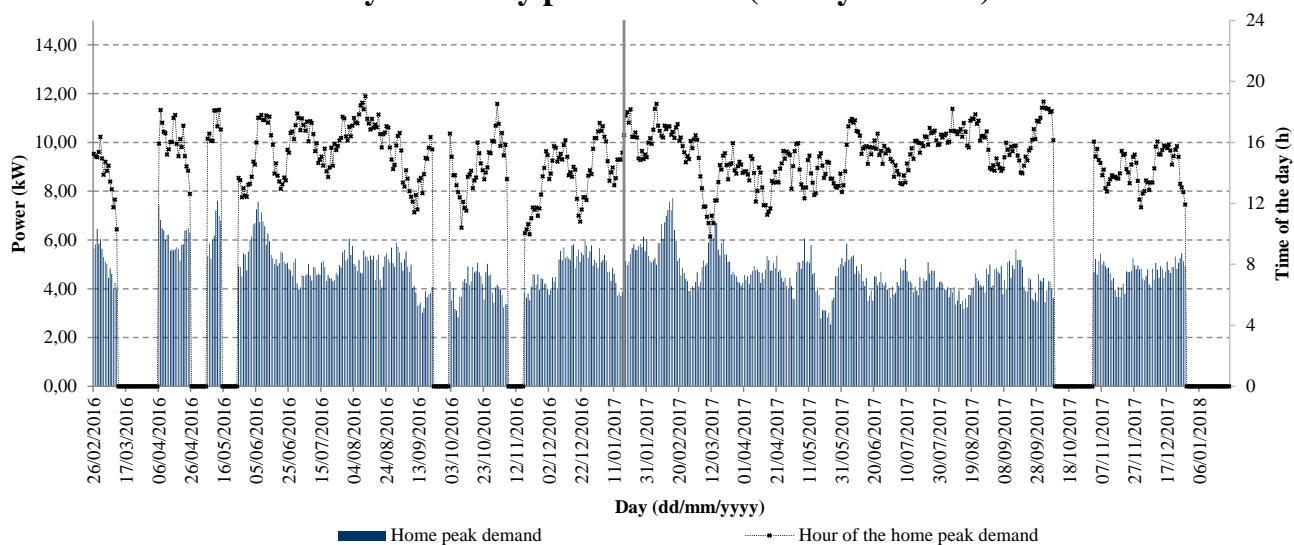
Cumulative electricity consumption



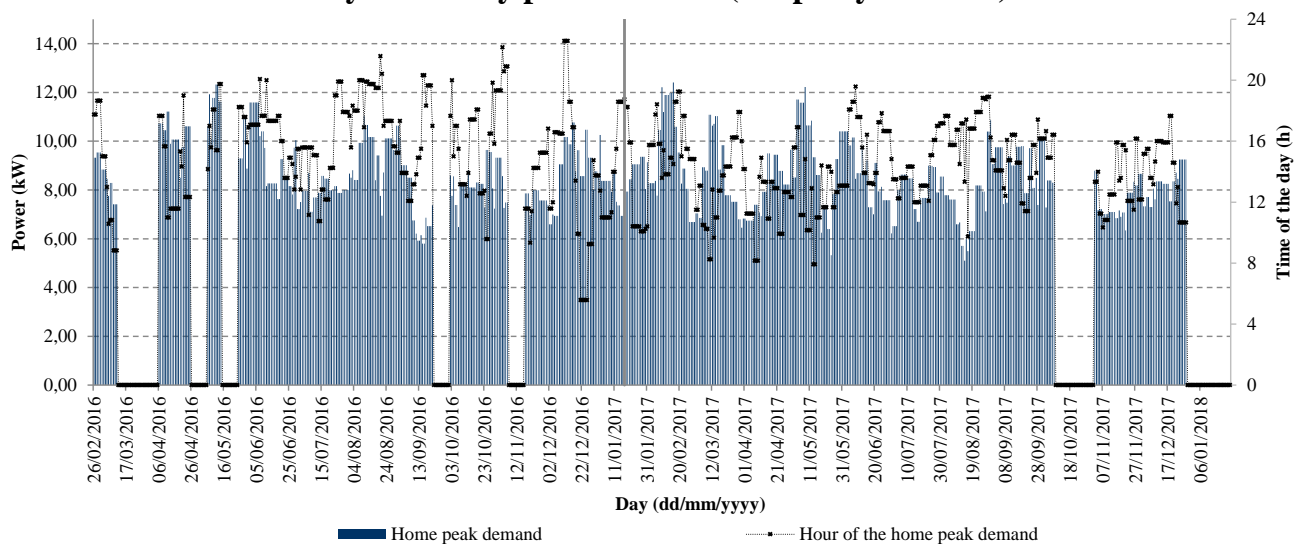
Daily electricity consumption



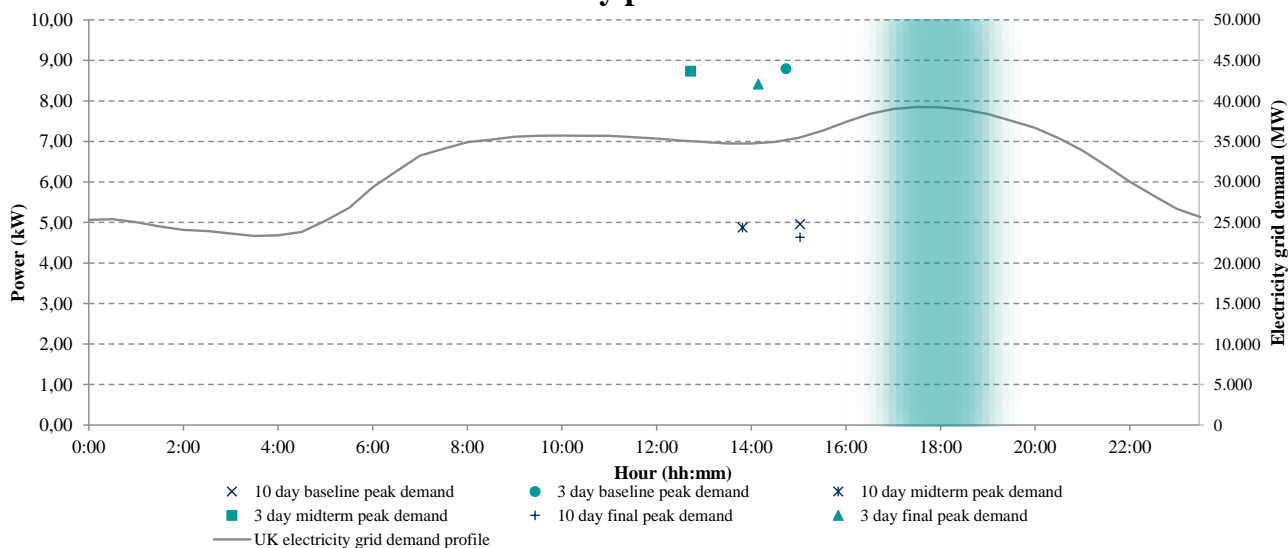
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #025	Dwelling type:	Semi Detached House
Construction period:	2003-2006	Floor area (m²):	98
Number of storeys:	2	Number of habitable rooms:	5
Household size:	5	Internet:	Yes

Energy characteristics

SAP:	66 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Pre-payment
Model:	ACE9000 KBD	Conversion factor (impulses/kWh):	800
Location:	Outdoor	Distance aggregator-meter (m):	3

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	G370		
Location:	Outdoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	22/03/2016	Final date (dd/mm/yyyy):	18/01/2017
Heating Degree Days (°C) :	1.238,5		

Electricity

Initial meter reading (kWh):	18.511	Final meter reading (kWh):	24.658
10 day baseline peak demand	Power (kW): 6,55	Time (hh:mm):	14 h 40 min
3 day baseline peak demand	Power (kW): 8,67	Time (hh:mm):	14 h 37 min
Demand at the network peak	Power (kW): 1,86	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	13.843	Final meter reading (m³):	14.396
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Electricity consumption (kWh):	6.147,0
Gas consumption (kWh):	6.173,6
Total energy consumption (kWh):	12.320,6

Midterm reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	24.658	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 6,08	Time (hh:mm):	14 h 48 min
3 day baseline peak demand	Power (kW): 8,82	Time (hh:mm):	16 h 34 min
Demand at the network peak	Power (kW): 1,73	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	14.396	Final meter reading (m³):	-
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Electricity consumption (kWh):	2,669,6
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	24.658	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 6,15	Time (hh:mm):	15 h 21 min
3 day baseline peak demand	Power (kW): 9,13	Time (hh:mm):	16 h 35 min
Demand at the network peak	Power (kW): 0,93	Time (hh:mm):	17 h 0 min to 19h 0 min

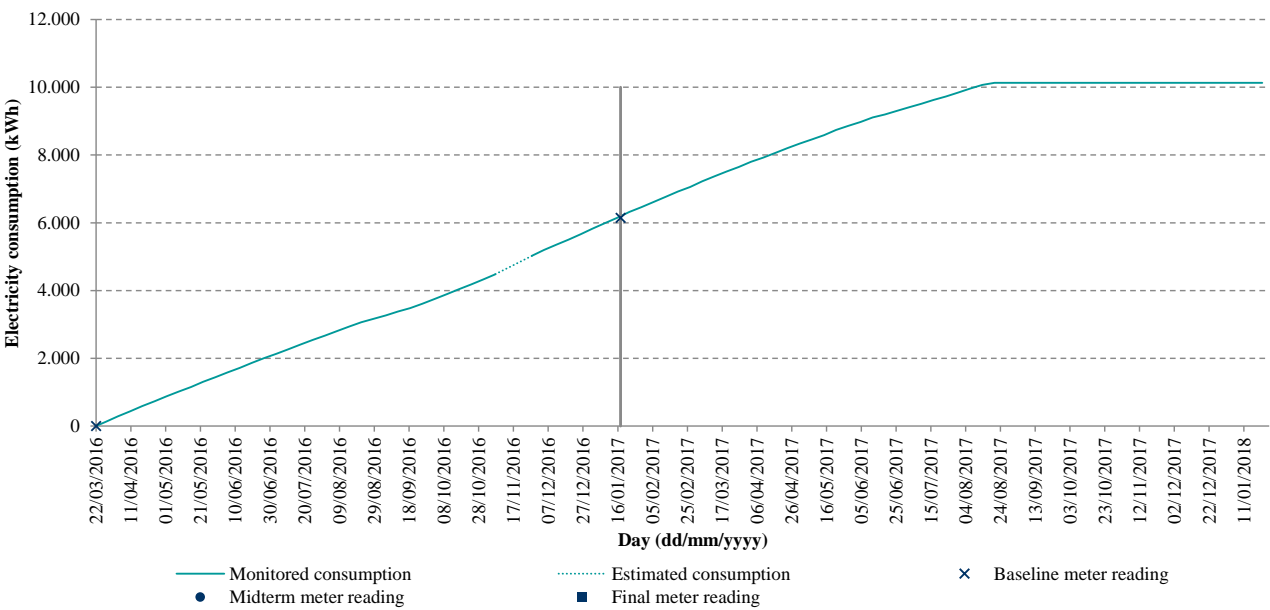
Gas

Initial meter reading (m³):	14.396	Final meter reading (m³):	*
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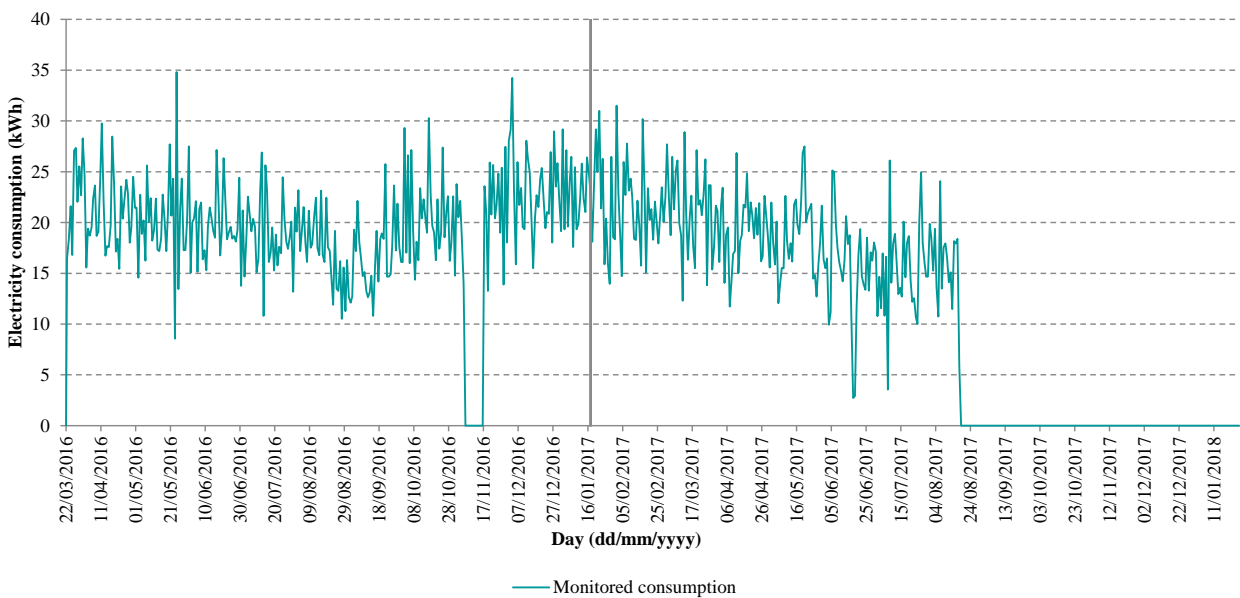
Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Baseline, midterm and final reporting period

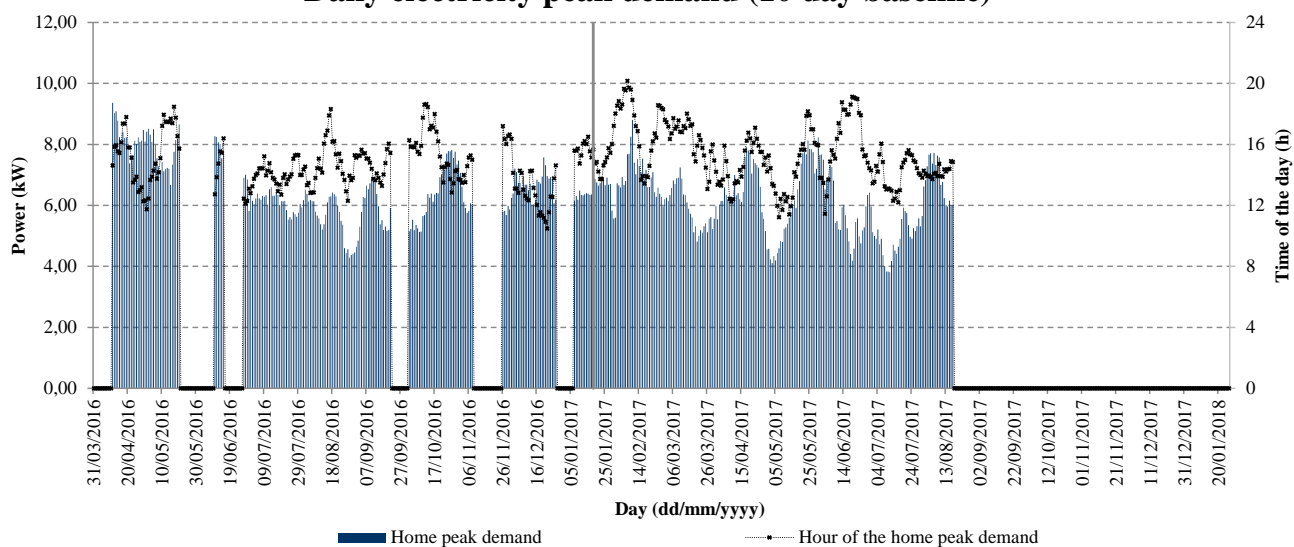
Cumulative electricity consumption



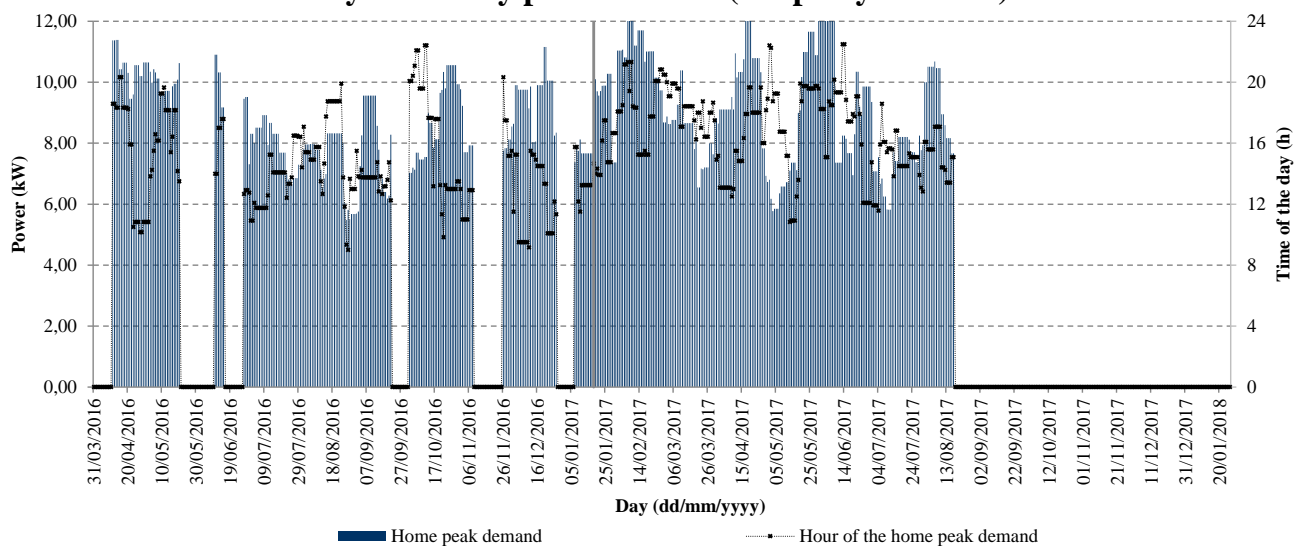
Daily electricity consumption



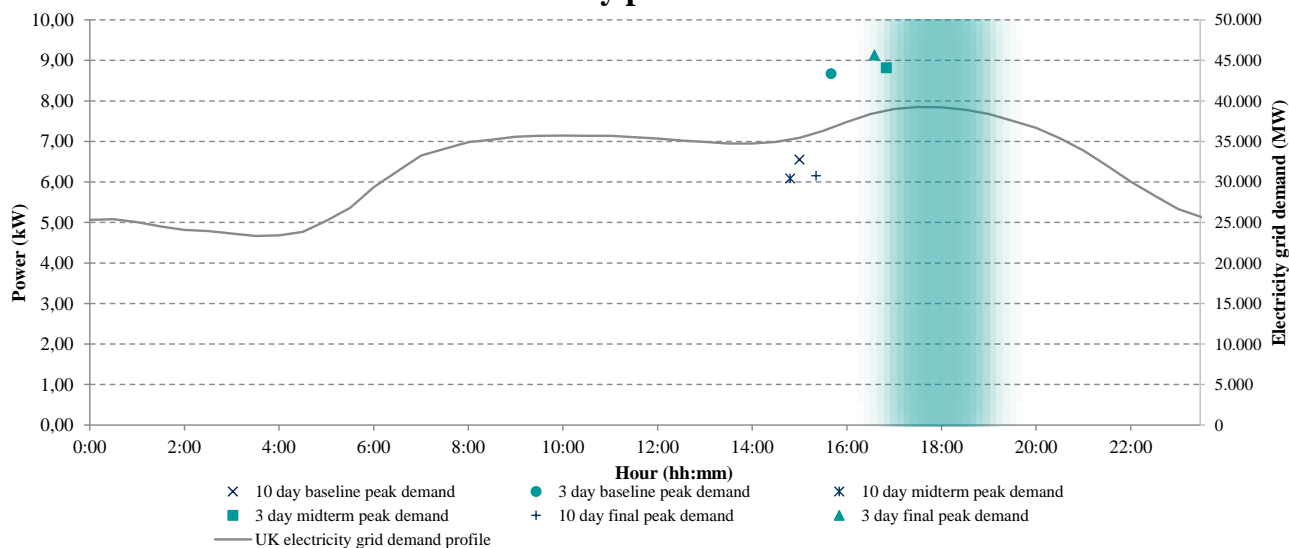
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #027	Dwelling type:	Flat
Construction period:	1983-1990	Floor area (m²):	102
Number of storeys:	1	Number of habitable rooms:	3
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	68 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5196A	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Schlumberger	Type:	Analogue
Model:	G4		
Location:	Indoor	Distance aggregator-meter (m):	5

Baseline period

Starting date (dd/mm/yyyy):	18/03/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	1.225,5		

Electricity

Initial meter reading (kWh):	24.098	Final meter reading (kWh):	25.991
10 day baseline peak demand	Power (kW): 2,37	Time (hh:mm):	15 h 20 min
3 day baseline peak demand	Power (kW): 3,58	Time (hh:mm):	16 h 13 min
Demand at the network peak	Power (kW): 0,74	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	11.197	Final meter reading (m³):	11.736
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Electricity consumption (kWh):	1.893,0
Gas consumption (kWh):	6.017,3
Total energy consumption (kWh):	7.910,3

Midterm reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	25.991	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 3,27	Time (hh:mm):	11 h 0 min
3 day baseline peak demand	Power (kW): 5,05	Time (hh:mm):	8 h 37 min
Demand at the network peak	Power (kW): 0,59	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	11.736	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.009,9
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	22/01/2018
Heating Degree Days (°C) :	1.766,0		

Electricity

Initial meter reading (kWh):	25.991	Final meter reading (kWh):	28.772
10 day baseline peak demand	Power (kW): 3,55	Time (hh:mm):	11 h 44 min
3 day baseline peak demand	Power (kW): 5,24	Time (hh:mm):	9 h 50 min
Demand at the network peak	Power (kW): 0,71	Time (hh:mm):	17 h 0 min to 19h 0 min

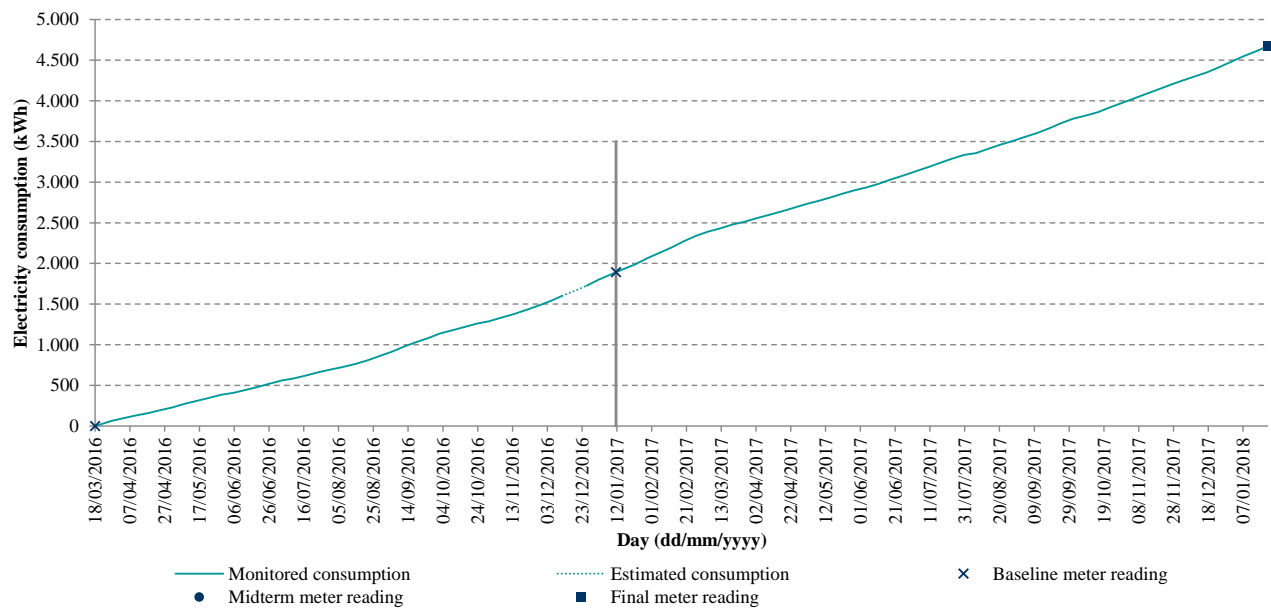
Gas

Initial meter reading (m³):	11.736	Final meter reading (m³):	12.523
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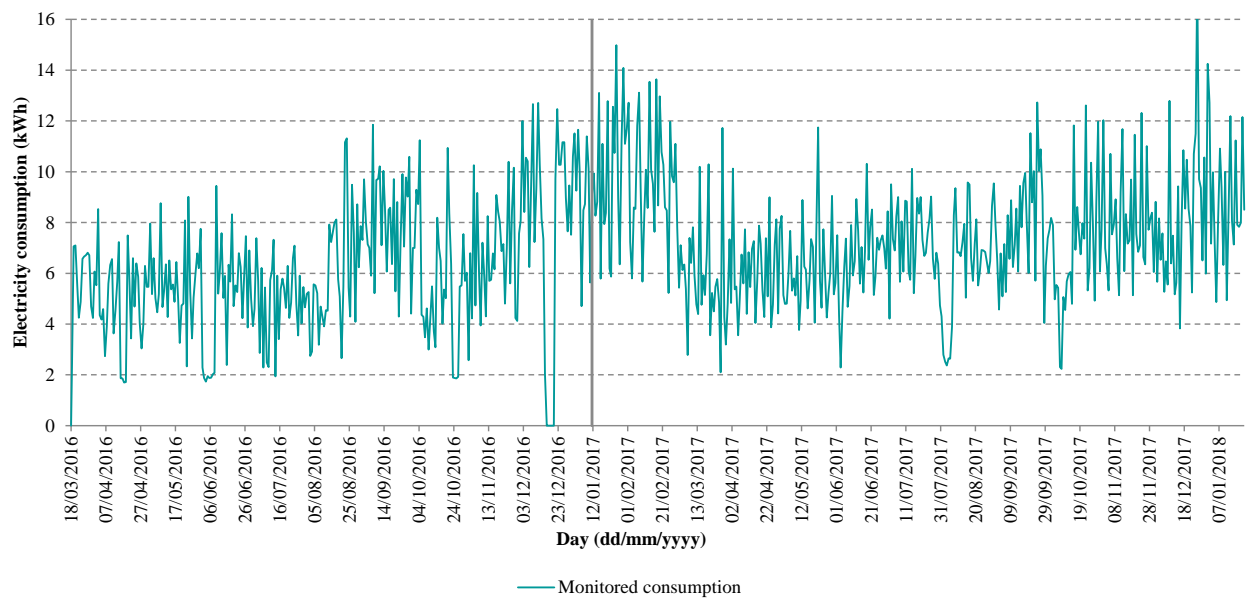
Electricity consumption (kWh):	2.781,0
Gas consumption (kWh):	8.785,6
Total energy consumption (kWh):	11.566,6

Baseline, midterm and final reporting period

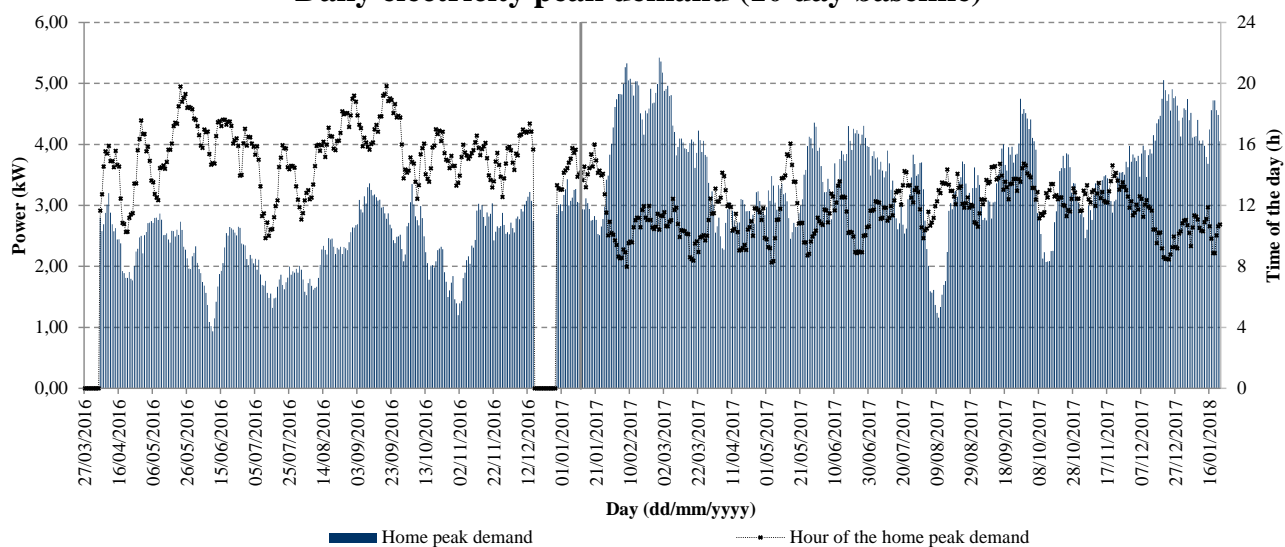
Cumulative electricity consumption



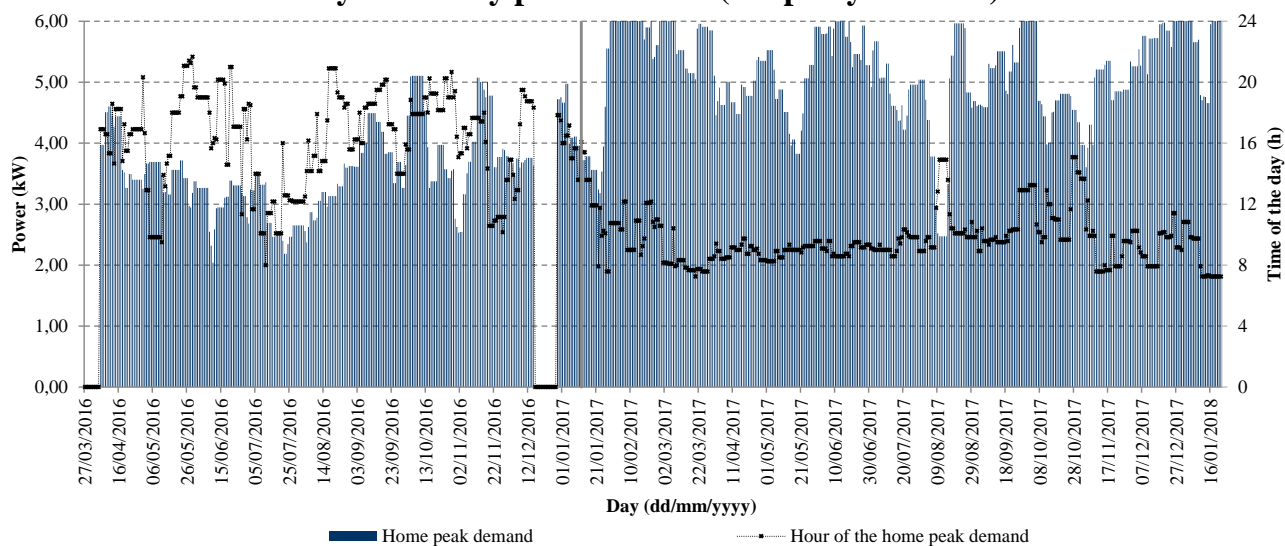
Daily electricity consumption



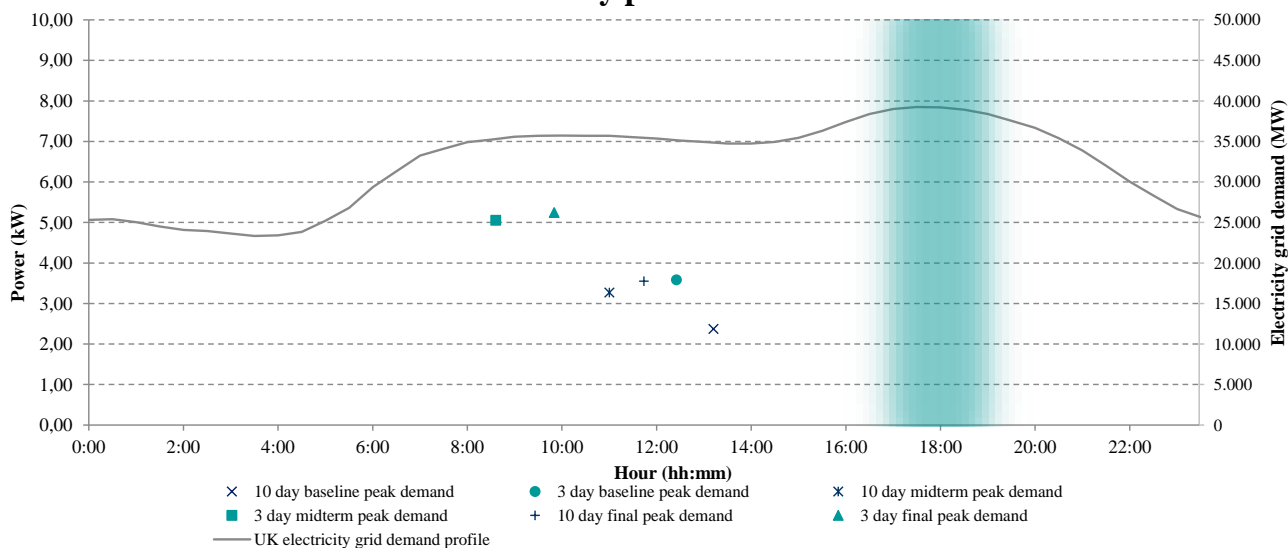
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #028	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	98
Number of storeys:	3	Number of habitable rooms:	Missing
Household size:	4	Internet:	Yes

Energy characteristics

SAP:	84 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	Solar hot water

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5235A	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	-		
Location:	Outdoor	Distance aggregator-meter (m):	1

Baseline period

Starting date (dd/mm/yyyy):	18/02/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.506,5		

Electricity

Initial meter reading (kWh):	10.253	Final meter reading (kWh):	12.512
10 day baseline peak demand	Power (kW): 2,32	Time (hh:mm):	13 h 32 min
3 day baseline peak demand	Power (kW): 3,57	Time (hh:mm):	13 h 24 min
Demand at the network peak	Power (kW): 0,48	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.383	Final meter reading (m³):	2.838
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Electricity consumption (kWh):	2.259,0
Gas consumption (kWh):	5.079,5
Total energy consumption (kWh):	7.338,5

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	14/05/2017
Heating Degree Days (°C) :	872,5		

Electricity

Initial meter reading (kWh):	12.512	Final meter reading (kWh):	13.458
10 day baseline peak demand	Power (kW): 2,17	Time (hh:mm):	14 h 46 min
3 day baseline peak demand	Power (kW): 3,10	Time (hh:mm):	14 h 20 min
Demand at the network peak	Power (kW): 0,73	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.838	Final meter reading (m³):	3.153
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Electricity consumption (kWh):	946,0
Gas consumption (kWh):	3.516,6
Total energy consumption (kWh):	4.462,6

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	23/01/2018
Heating Degree Days (°C) :	1.777,0		

Electricity

Initial meter reading (kWh):	12.512	Final meter reading (kWh):	15.378
10 day baseline peak demand	Power (kW): 2,07	Time (hh:mm):	15 h 4 min
3 day baseline peak demand	Power (kW): 3,02	Time (hh:mm):	14 h 24 min
Demand at the network peak	Power (kW): 0,74	Time (hh:mm):	17 h 0 min to 19h 0 min

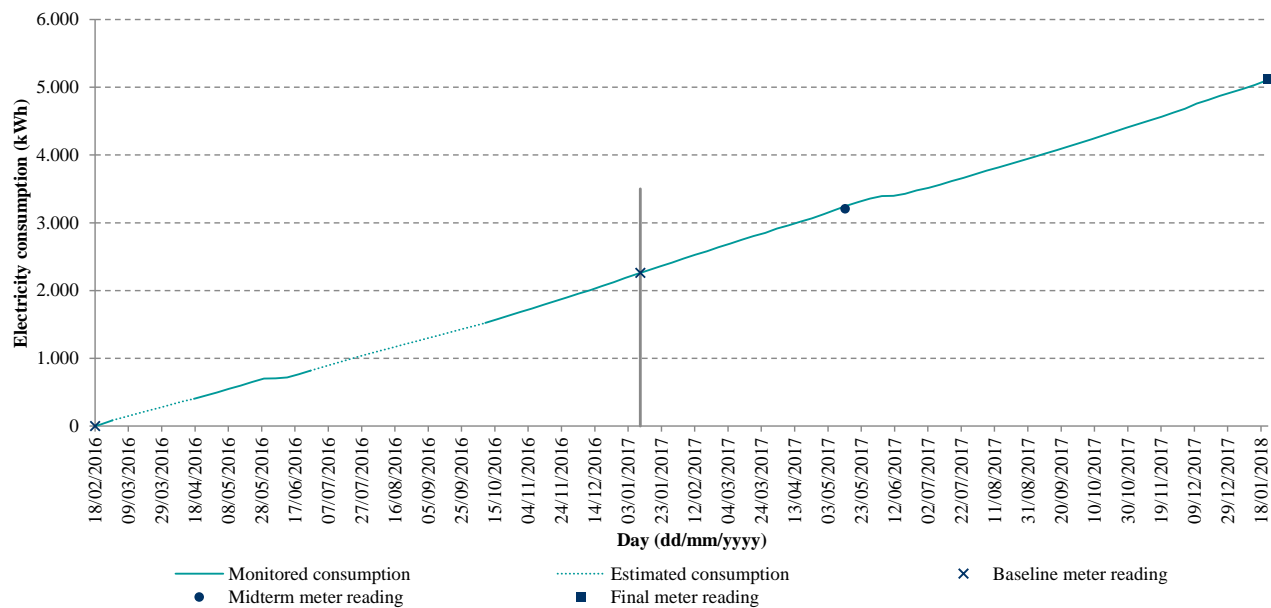
Gas

Initial meter reading (m³):	2.838	Final meter reading (m³):	3.582
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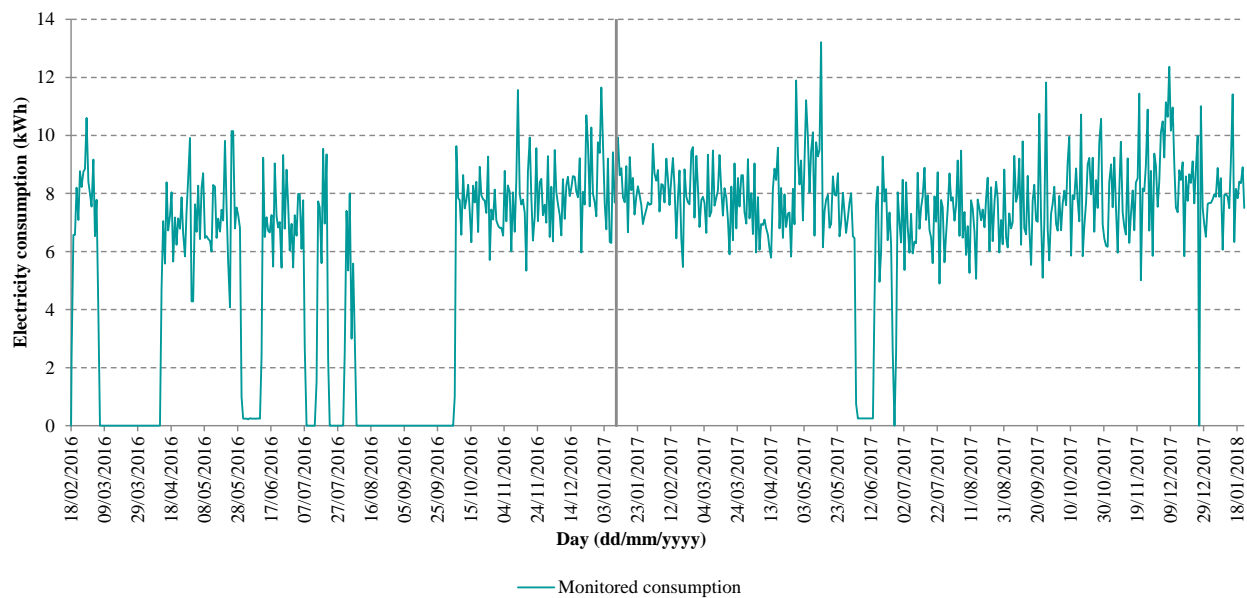
Electricity consumption (kWh):	2.866,0
Gas consumption (kWh):	8.310,3
Total energy consumption (kWh):	11.176,3

Baseline, midterm and final reporting period

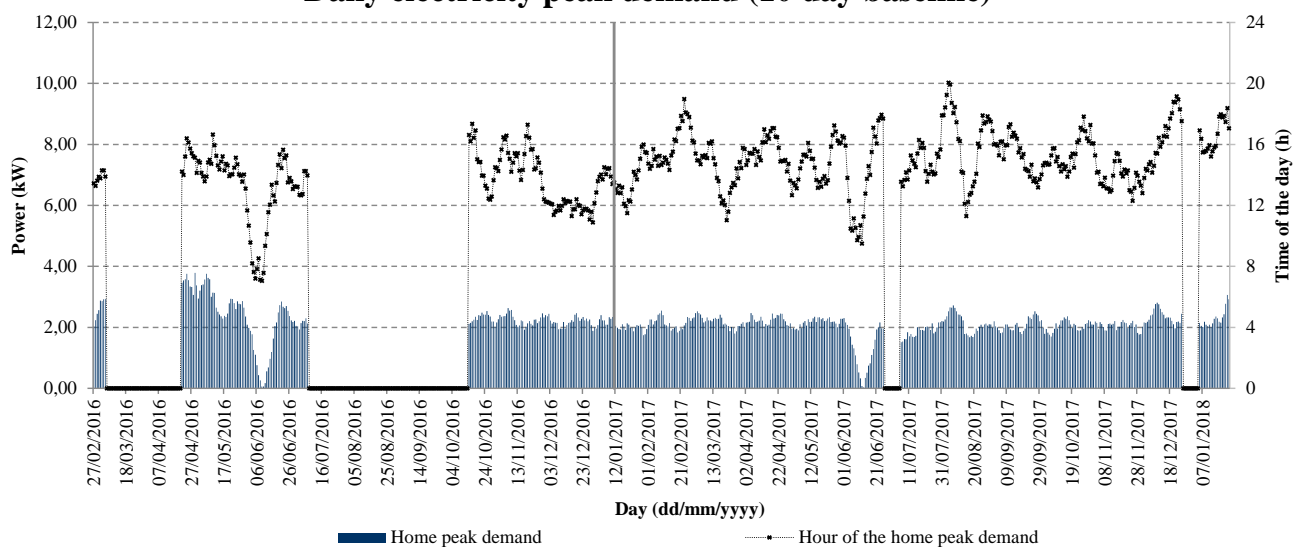
Cumulative electricity consumption



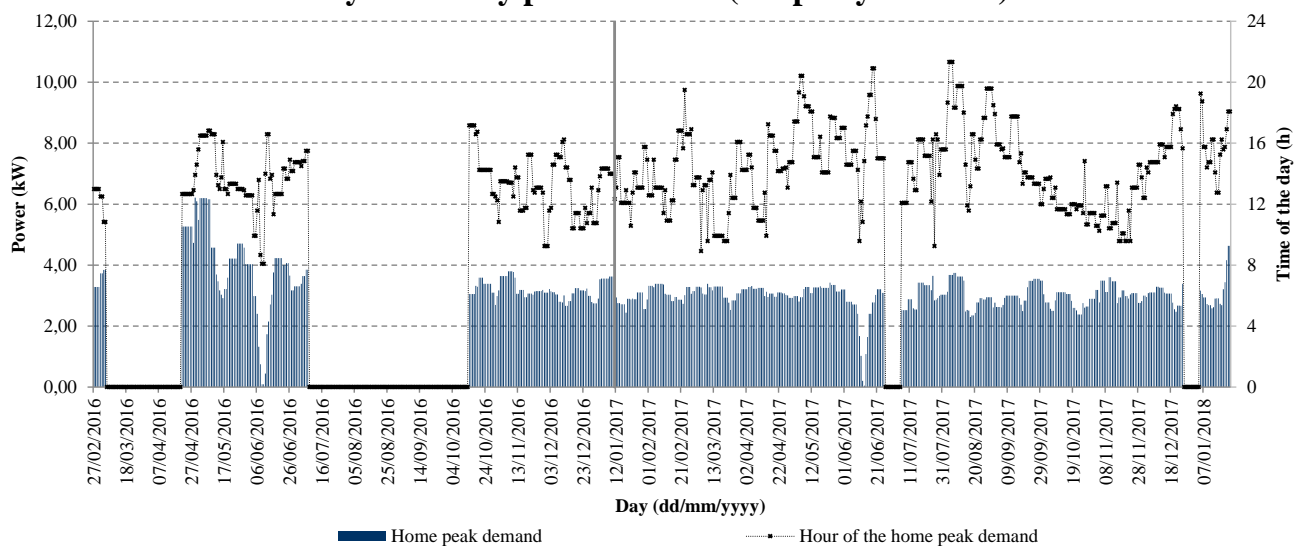
Daily electricity consumption



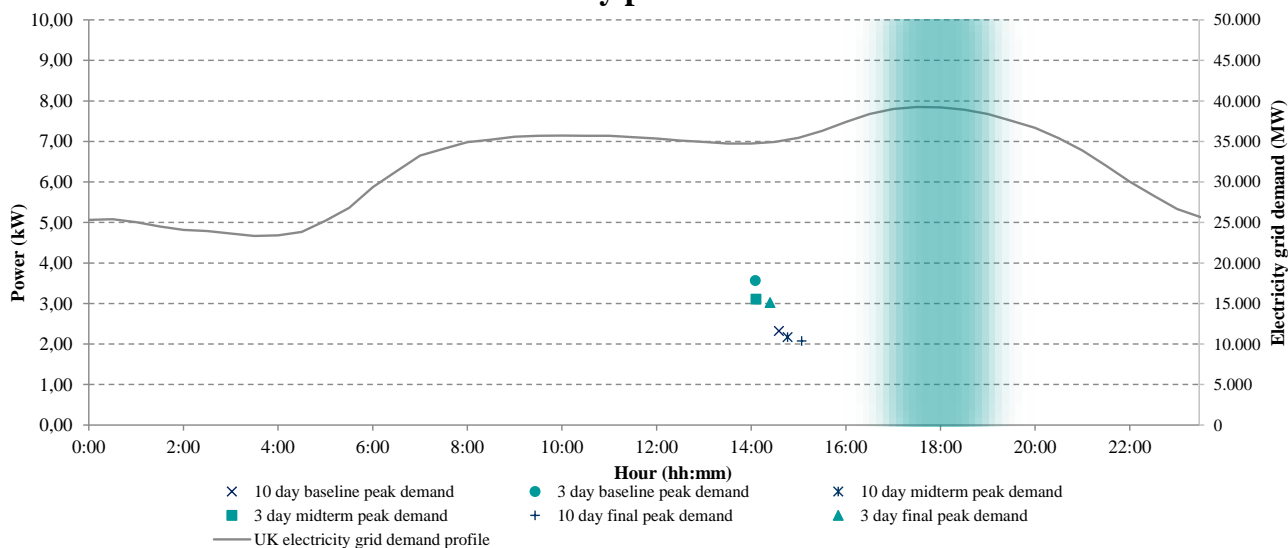
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #029	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	104
Number of storeys:	3	Number of habitable rooms:	5
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	84 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E470	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Krom/Schroder	Type:	Analogue
Model:	G4		
Location:	Indoor	Distance aggregator-meter (m):	1.5

Baseline period

Starting date (dd/mm/yyyy):	16/02/2016	Final date (dd/mm/yyyy):	18/01/2017
Heating Degree Days (°C) :	1.596,0		

Electricity

Initial meter reading (kWh):	6.719	Final meter reading (kWh):	8.358
10 day baseline peak demand	Power (kW): 1,90	Time (hh:mm):	16 h 54 min
3 day baseline peak demand	Power (kW): 3,20	Time (hh:mm):	18 h 44 min
Demand at the network peak	Power (kW): 0,62	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.431	Final meter reading (m³):	1.847
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Electricity consumption (kWh):	1.639,0
Gas consumption (kWh):	4.644,1
Total energy consumption (kWh):	6.283,1

Midterm reporting period			
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Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity			
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Initial meter reading (kWh):	8.358	Final meter reading (kWh):	-
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10 day baseline peak demand	Power (kW):	1,66	Time (hh:mm):	16 h 28 min
3 day baseline peak demand	Power (kW):	2,67	Time (hh:mm):	18 h 7 min
Demand at the network peak	Power (kW):	0,68	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	1.847	Final meter reading (m³):	-
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Electricity consumption (kWh):	673,4
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
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Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity			
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Initial meter reading (kWh):	8.358	Final meter reading (kWh):	-
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10 day baseline peak demand	Power (kW):	2,01	Time (hh:mm):	16 h 35 min
3 day baseline peak demand	Power (kW):	3,31	Time (hh:mm):	17 h 57 min
Demand at the network peak	Power (kW):	0,51	Time (hh:mm):	17 h 0 min to 19h 0 min

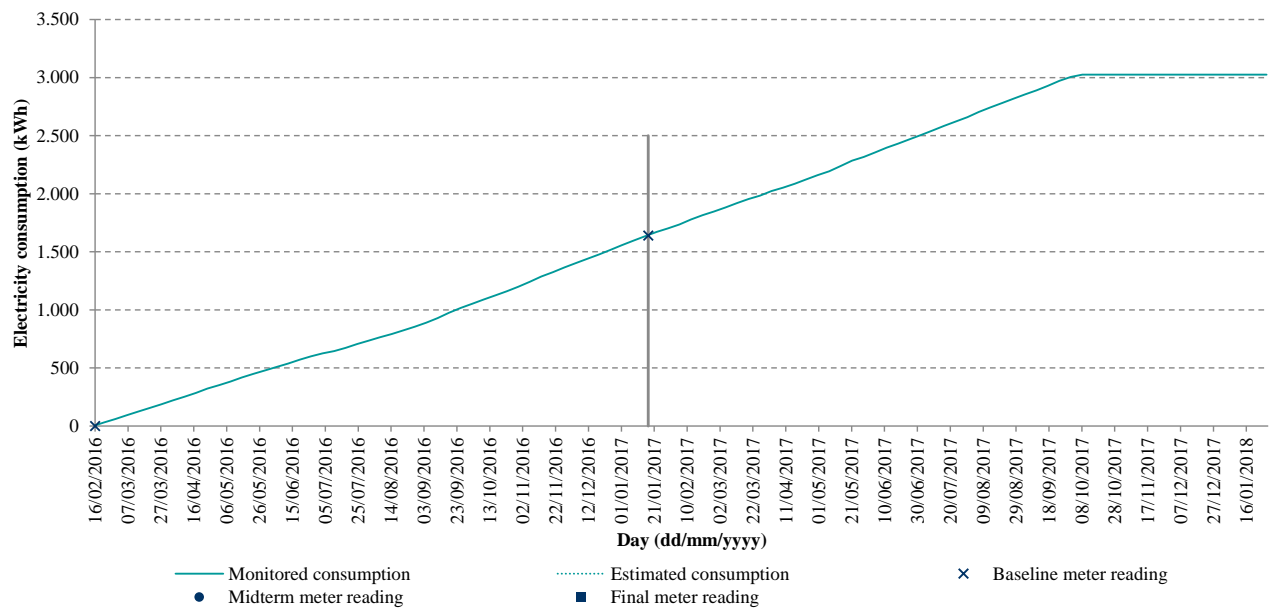
Gas			
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Initial meter reading (m³):	1.847	Final meter reading (m³):	*
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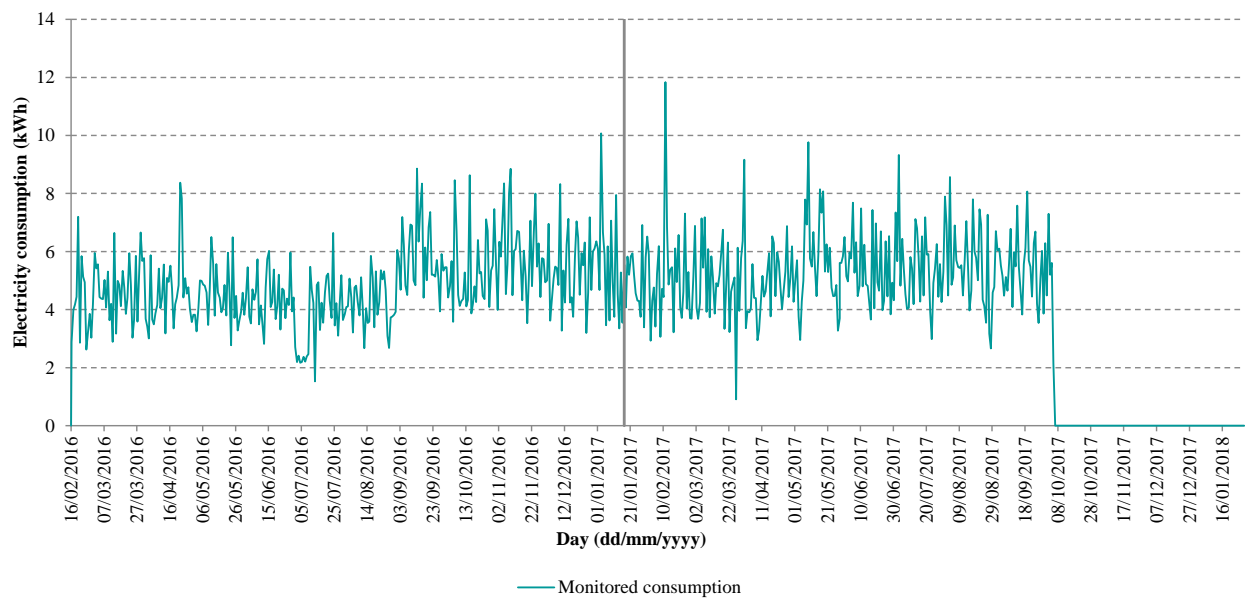
Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Baseline, midterm and final reporting period

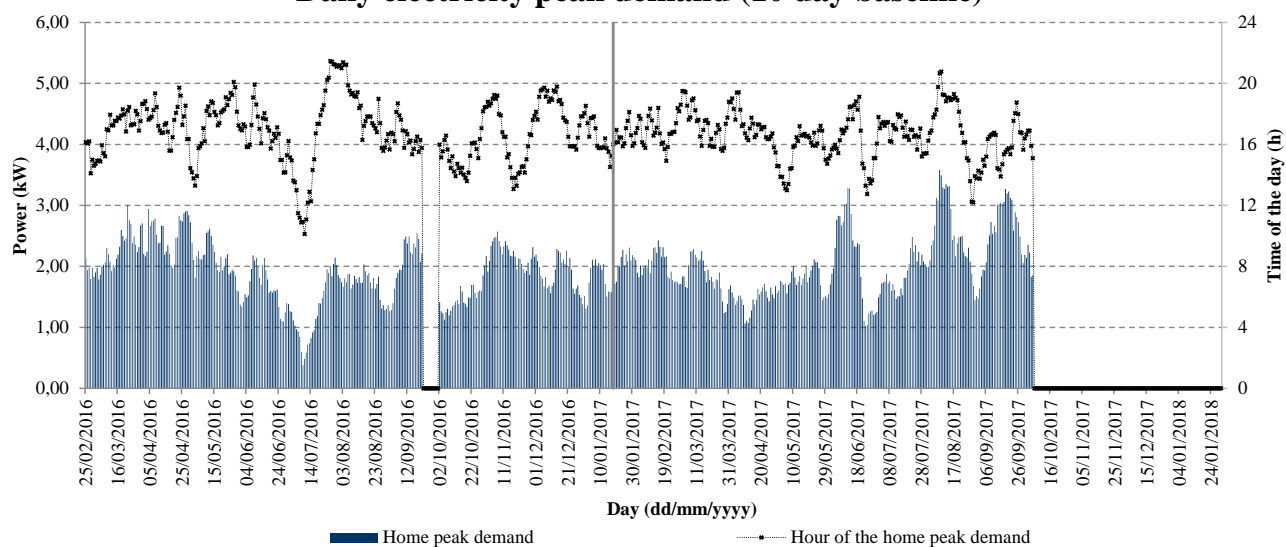
Cumulative electricity consumption



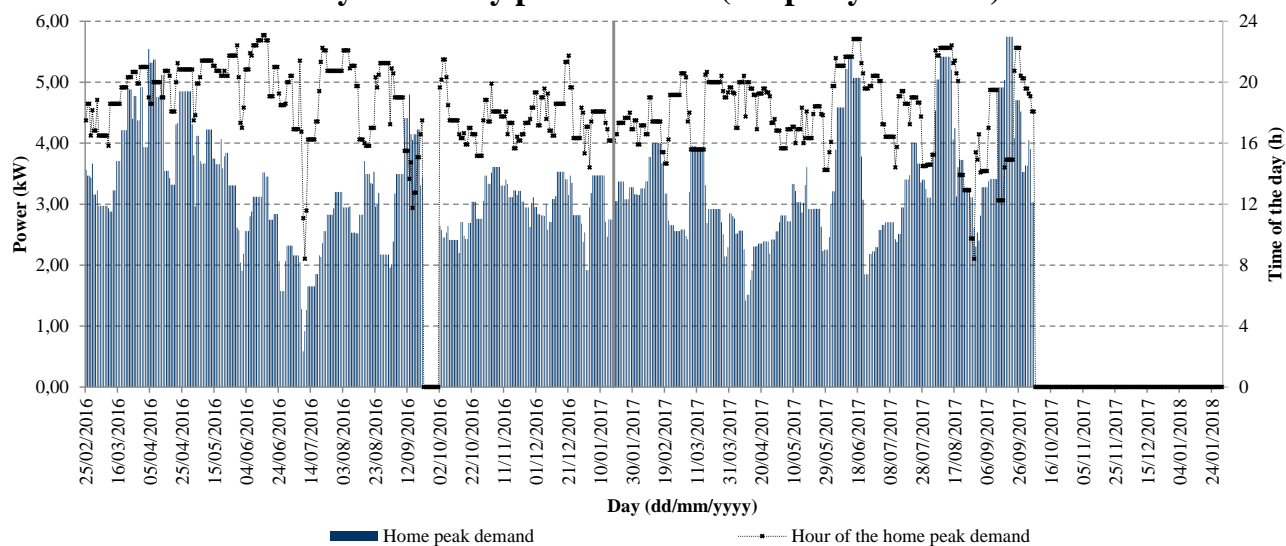
Daily electricity consumption



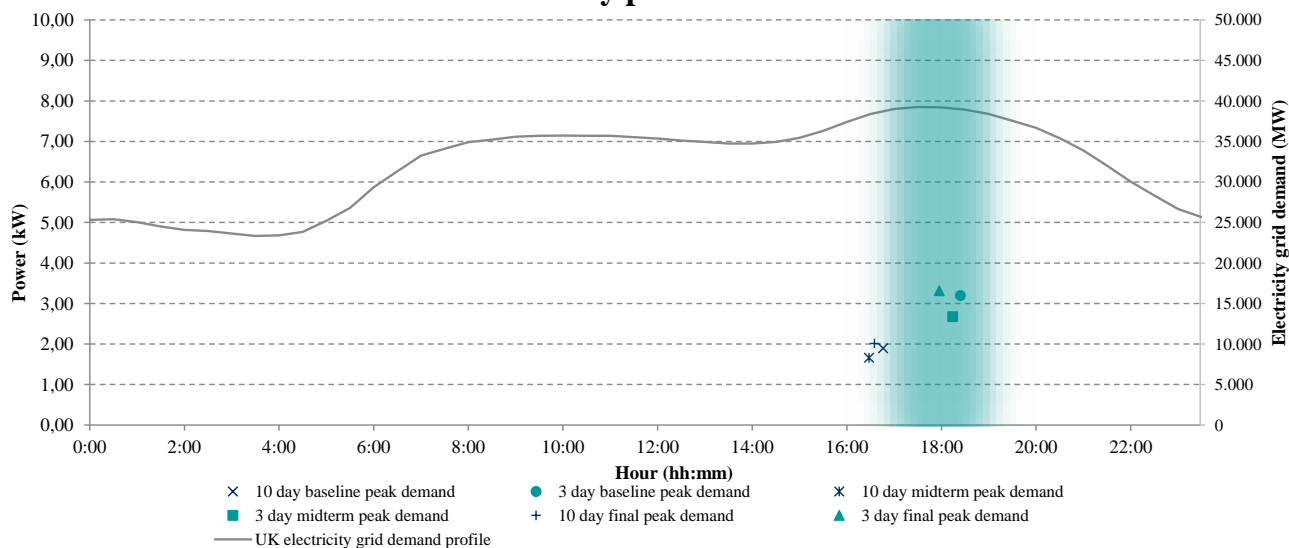
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #031	Dwelling type:	Flat
Construction period:	1991-1995	Floor area (m²):	55
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	No

Energy characteristics

SAP:	75 C	Energy:	Electric only
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5235D-N	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	4

Gas infrastructure characteristics

Manufacturer:	-	Type:	-
Model:	-		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	21/03/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.181,5		

Electricity

Initial meter reading (kWh):	17.817	Final meter reading (kWh):	21.093
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	3.276,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	3.276,0

Midterm reporting period			
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Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity			
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Initial meter reading (kWh):	21.093	Final meter reading (kWh):	-
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
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Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	18/01/2018
Heating Degree Days (°C) :	1.739,5		

Electricity			
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Initial meter reading (kWh):	21.093	Final meter reading (kWh):	5.659
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

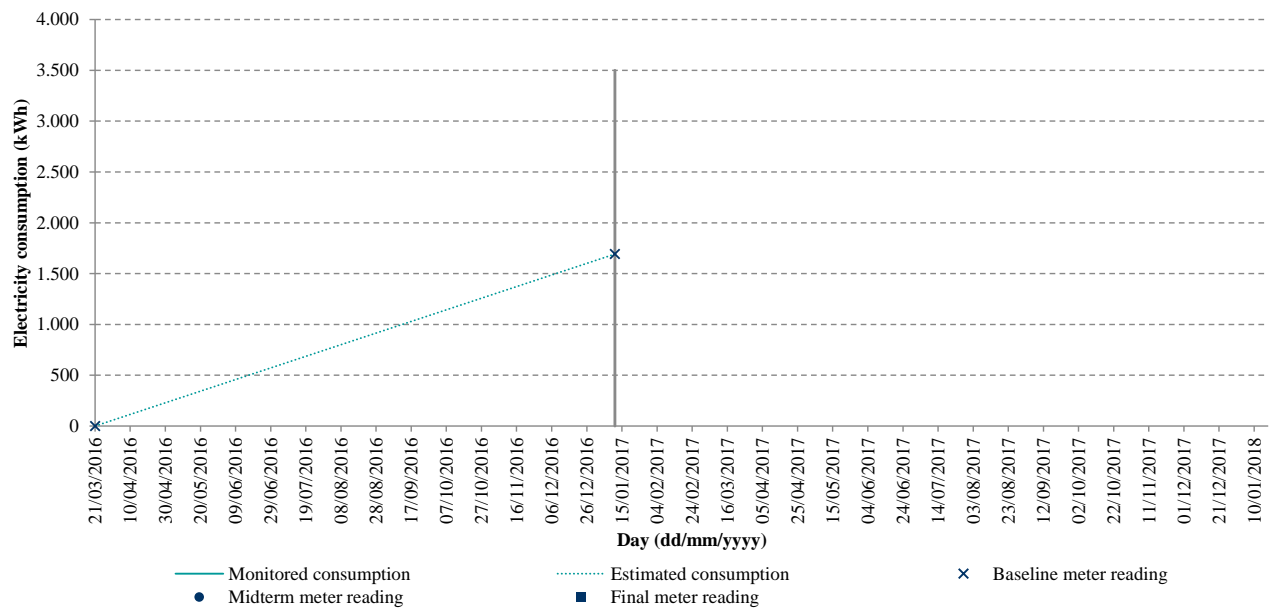
Gas			
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Initial meter reading (m³):	-	Final meter reading (m³):	-
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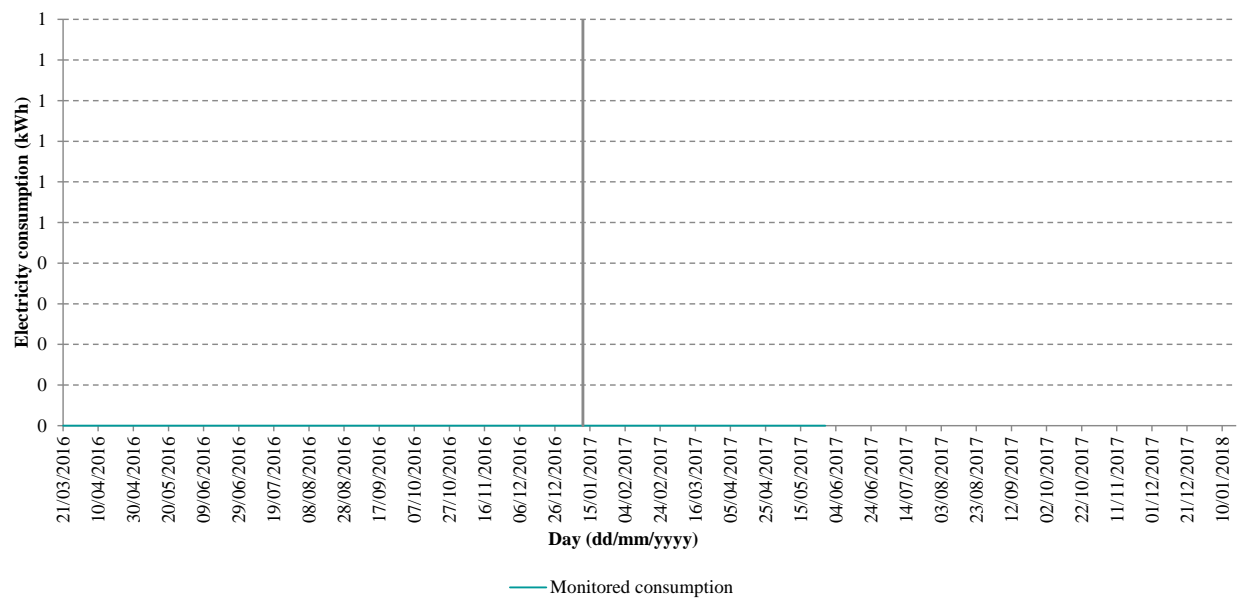
Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Baseline, midterm and final reporting period

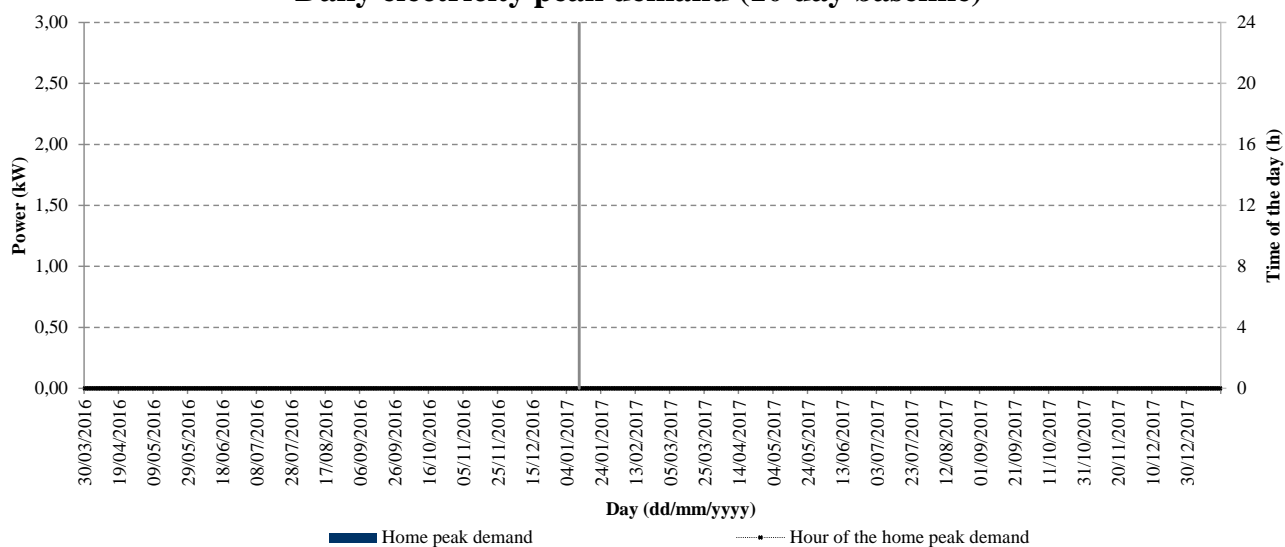
Cumulative electricity consumption



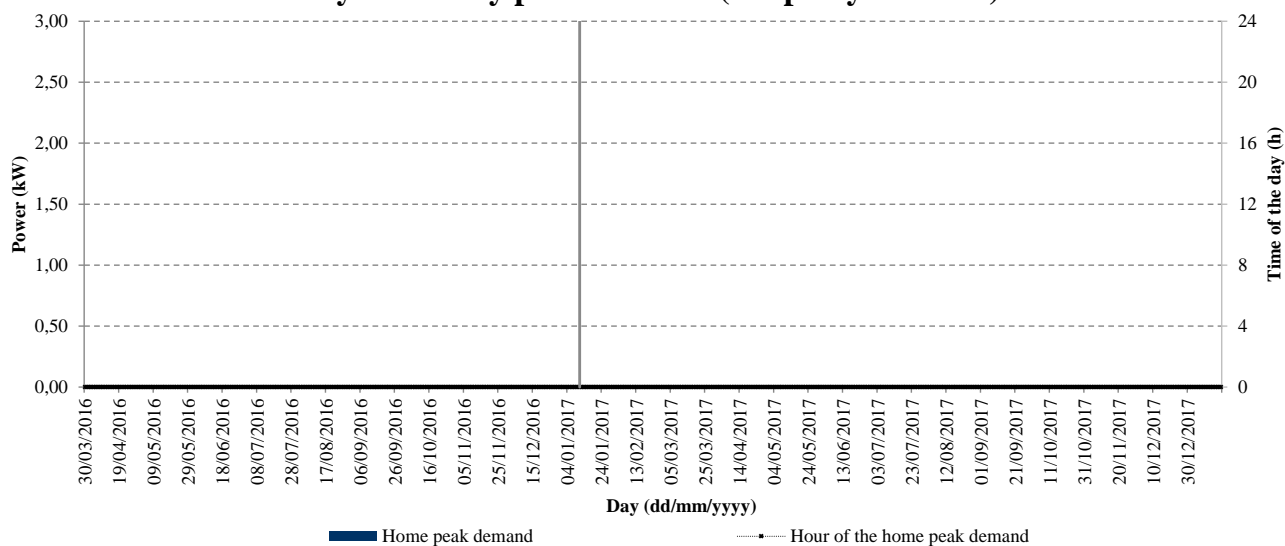
Daily electricity consumption



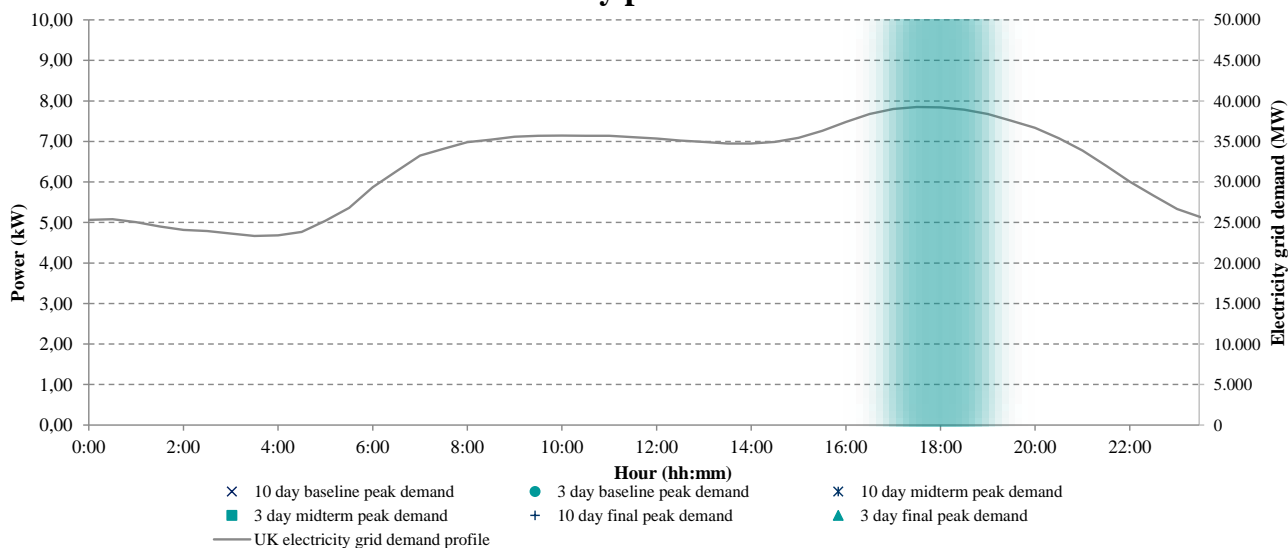
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #032	Dwelling type:	Mid Terrace House
Construction period:	1930-1949	Floor area (m²):	104
Number of storeys:	2	Number of habitable rooms:	4
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	60 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5235A	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	0.5

Gas infrastructure characteristics

Manufacturer:	Schlumberger	Type:	Analogue
Model:	R5		
Location:	Indoor	Distance aggregator-meter (m):	0.5

Baseline period

Starting date (dd/mm/yyyy):	22/02/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.477,5		

Electricity

Initial meter reading (kWh):	18.847	Final meter reading (kWh):	21.162
10 day baseline peak demand	Power (kW): 1,65	Time (hh:mm):	15 h 29 min
3 day baseline peak demand	Power (kW): 2,62	Time (hh:mm):	15 h 30 min
Demand at the network peak	Power (kW): 0,81	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	40	Final meter reading (m³):	48
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Electricity consumption (kWh):	2.315,0
Gas consumption (kWh):	97,7
Total energy consumption (kWh):	2.412,7

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	14/06/2017
Heating Degree Days (°C) :	932,5		

Electricity

Initial meter reading (kWh):	21.162	Final meter reading (kWh):	22.280
10 day baseline peak demand	Power (kW): 1,77	Time (hh:mm):	14 h 44 min
3 day baseline peak demand	Power (kW): 3,24	Time (hh:mm):	12 h 45 min
Demand at the network peak	Power (kW): 0,60	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	48	Final meter reading (m³):	54
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Electricity consumption (kWh):	1.118,0
Gas consumption (kWh):	60,1
Total energy consumption (kWh):	1.178,1

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	17/01/2018
Heating Degree Days (°C) :	1.730,0		

Electricity

Initial meter reading (kWh):	21.162	Final meter reading (kWh):	23.861
10 day baseline peak demand	Power (kW): 1,65	Time (hh:mm):	15 h 28 min
3 day baseline peak demand	Power (kW): 2,87	Time (hh:mm):	14 h 23 min
Demand at the network peak	Power (kW): 0,64	Time (hh:mm):	17 h 0 min to 19h 0 min

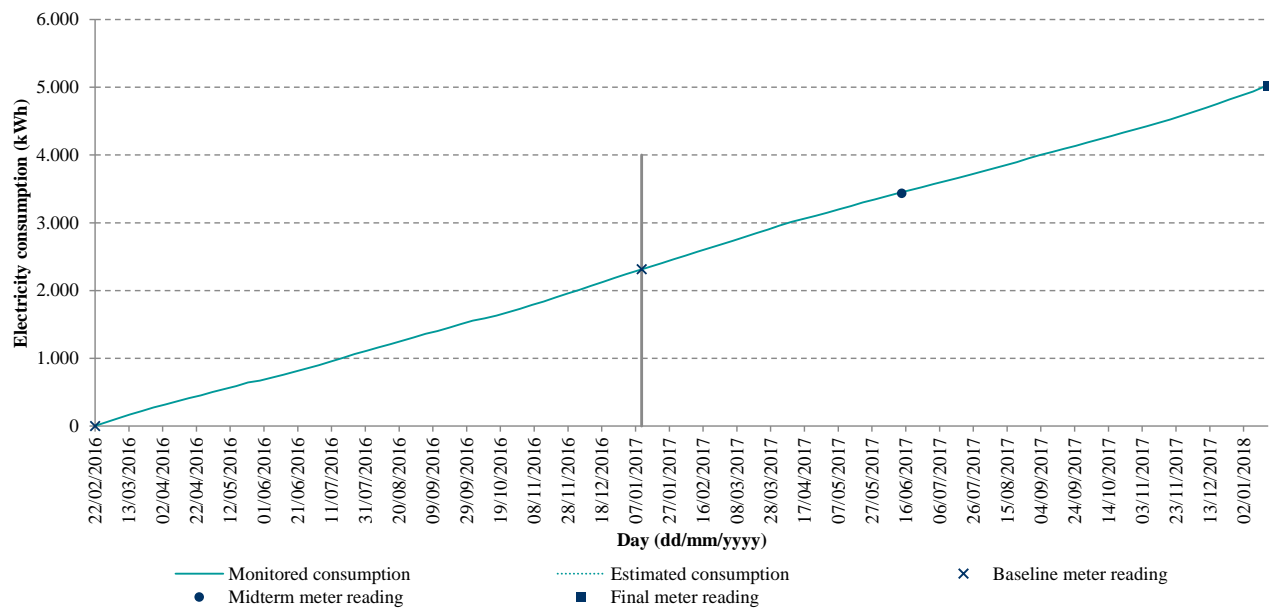
Gas

Initial meter reading (m³):	48	Final meter reading (m³):	59
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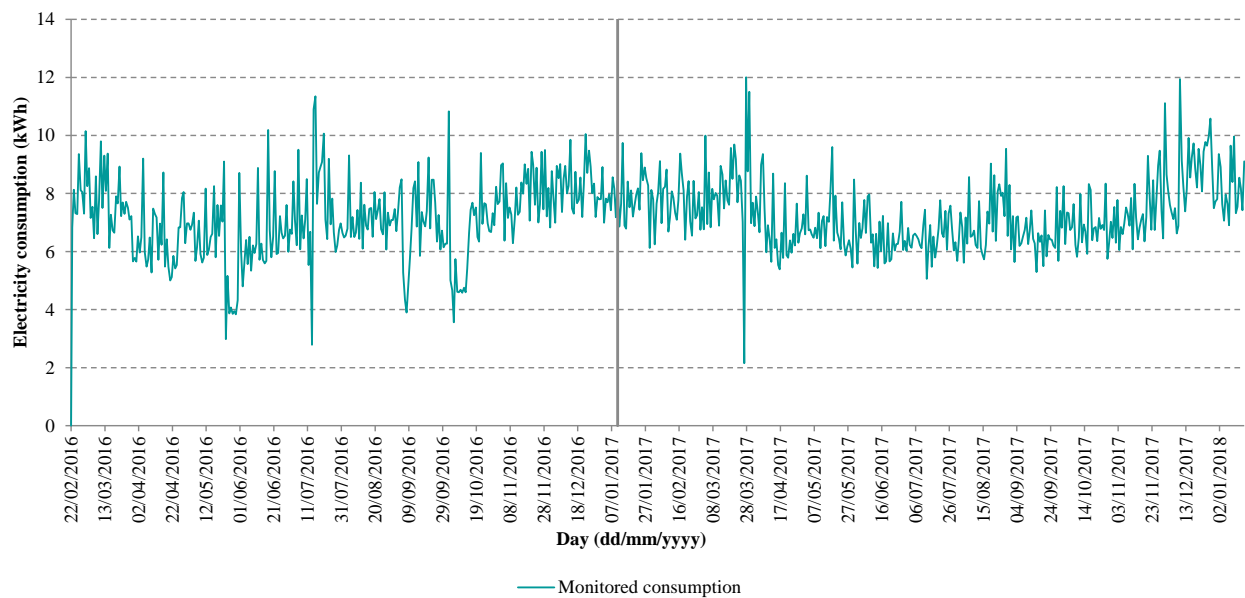
Electricity consumption (kWh):	2.699,0
Gas consumption (kWh):	121,1
Total energy consumption (kWh):	2.820,1

Baseline, midterm and final reporting period

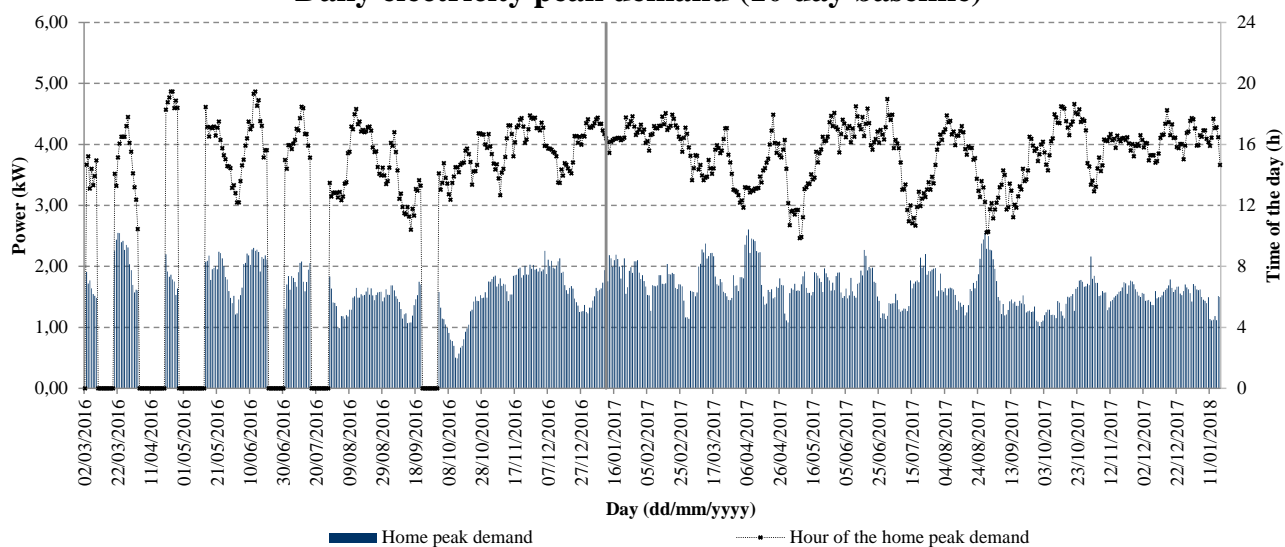
Cumulative electricity consumption



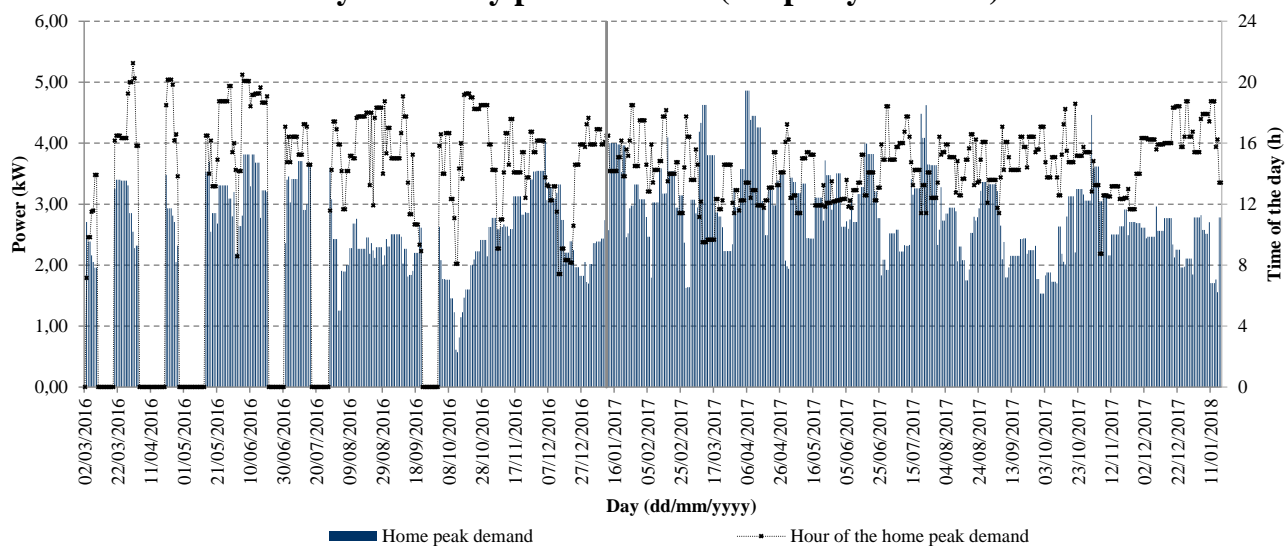
Daily electricity consumption



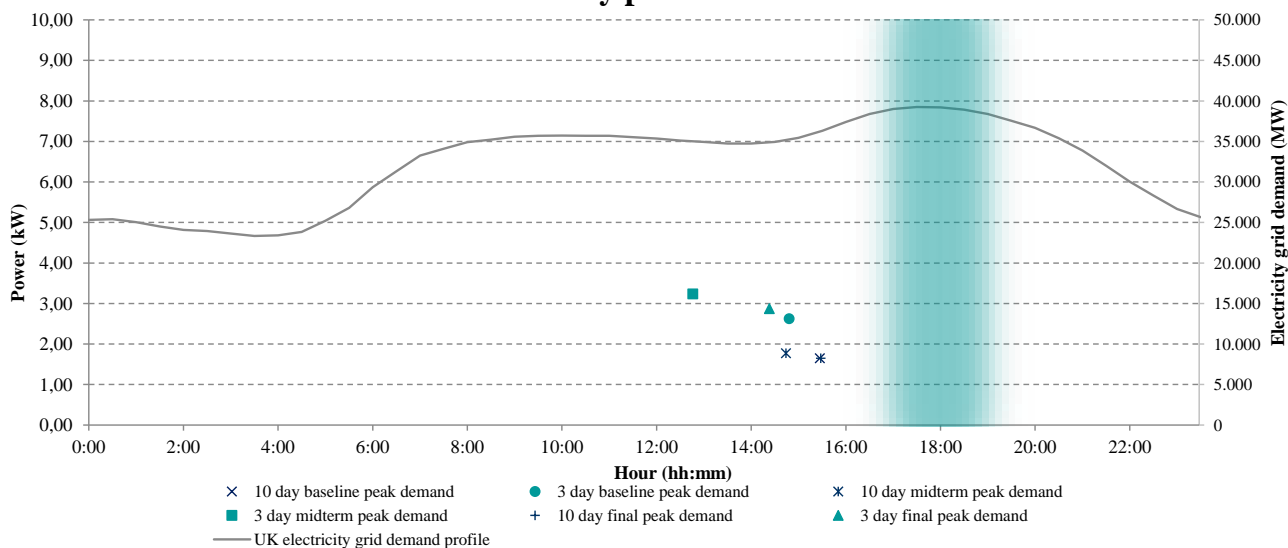
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #033	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	105
Number of storeys:	1	Number of habitable rooms:	4
Household size:	6	Internet:	Yes

Energy characteristics

SAP:	72 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E470	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	Libra 310P		
Location:	Indoor	Distance aggregator-meter (m):	2

Baseline period

Starting date (dd/mm/yyyy):	15/03/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.240,5		

Electricity

Initial meter reading (kWh):	15.017	Final meter reading (kWh):	19.668
10 day baseline peak demand	Power (kW): 4,94	Time (hh:mm):	13 h 57 min
3 day baseline peak demand	Power (kW): 7,08	Time (hh:mm):	14 h 7 min
Demand at the network peak	Power (kW): 1,59	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.326	Final meter reading (m³):	2.857
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Electricity consumption (kWh):	4.651,0
Gas consumption (kWh):	5.928,0
Total energy consumption (kWh):	10.579,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	14/05/2017
Heating Degree Days (°C) :	872,5		

Electricity

Initial meter reading (kWh):	19.668	Final meter reading (kWh):	21.439
10 day baseline peak demand	Power (kW): 4,08	Time (hh:mm):	13 h 41 min
3 day baseline peak demand	Power (kW): 6,04	Time (hh:mm):	13 h 18 min
Demand at the network peak	Power (kW): 1,45	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.857	Final meter reading (m³):	3.149
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Electricity consumption (kWh):	1.771,0
Gas consumption (kWh):	3.259,8
Total energy consumption (kWh):	5.030,8

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	22/01/2018
Heating Degree Days (°C) :	1.771,5		

Electricity

Initial meter reading (kWh):	19.668	Final meter reading (kWh):	25.088
10 day baseline peak demand	Power (kW): 4,42	Time (hh:mm):	14 h 30 min
3 day baseline peak demand	Power (kW): 6,59	Time (hh:mm):	14 h 40 min
Demand at the network peak	Power (kW): 1,46	Time (hh:mm):	17 h 0 min to 19h 0 min

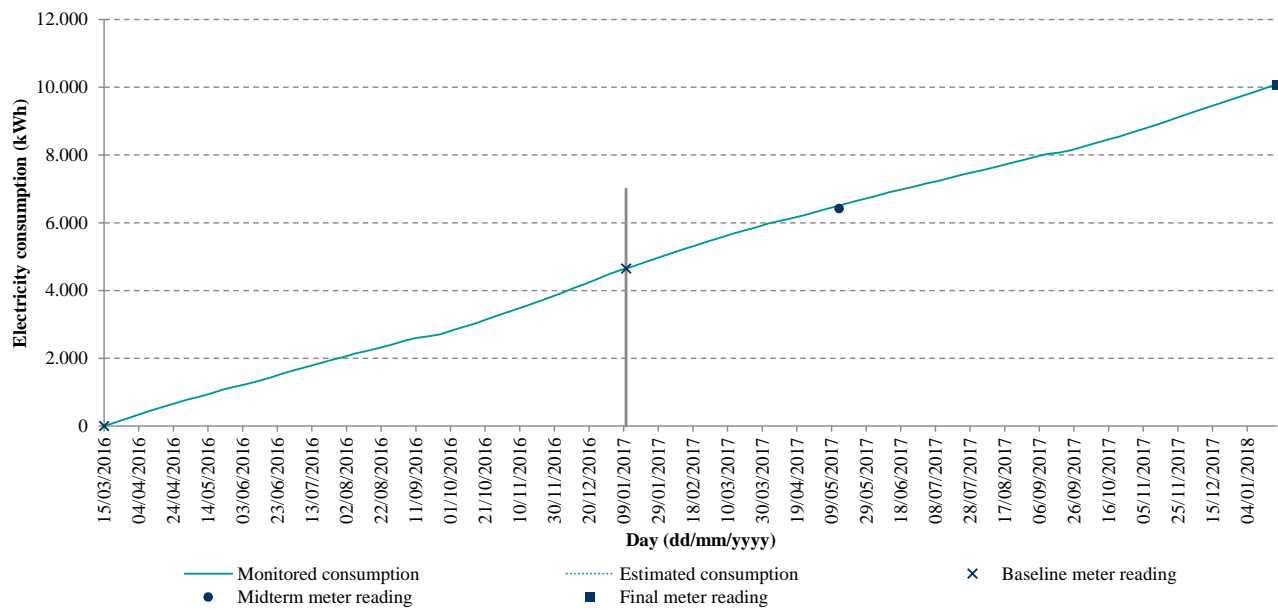
Gas

Initial meter reading (m³):	2.857	Final meter reading (m³):	3.628
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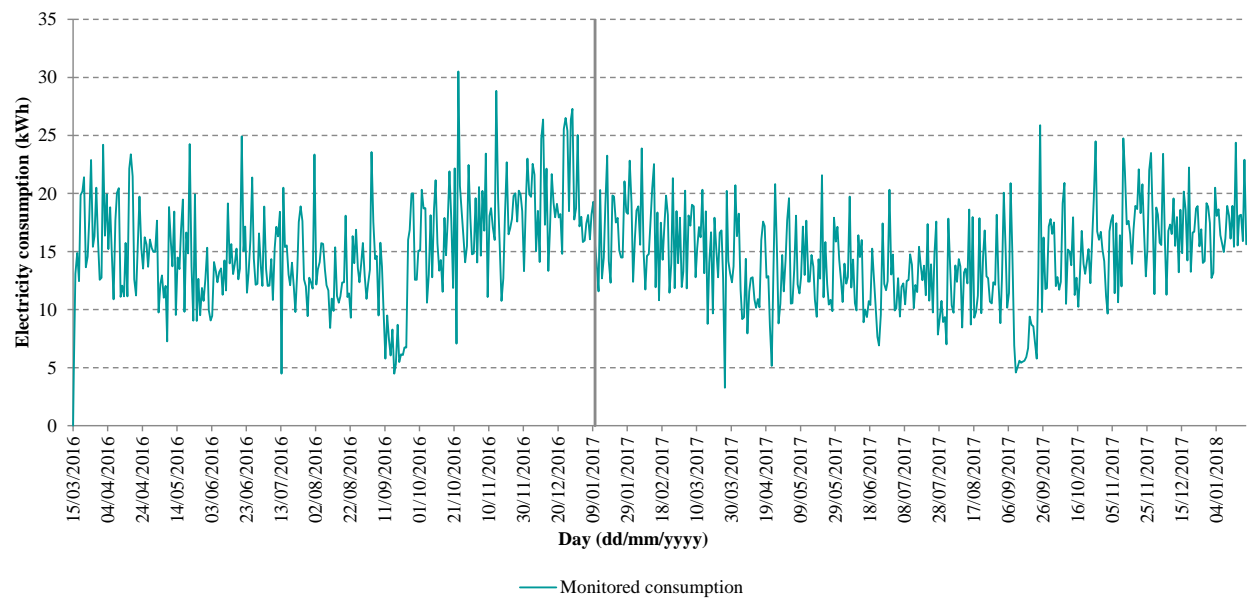
Electricity consumption (kWh):	5.420,0
Gas consumption (kWh):	8.607,1
Total energy consumption (kWh):	14.027,1

Baseline, midterm and final reporting period

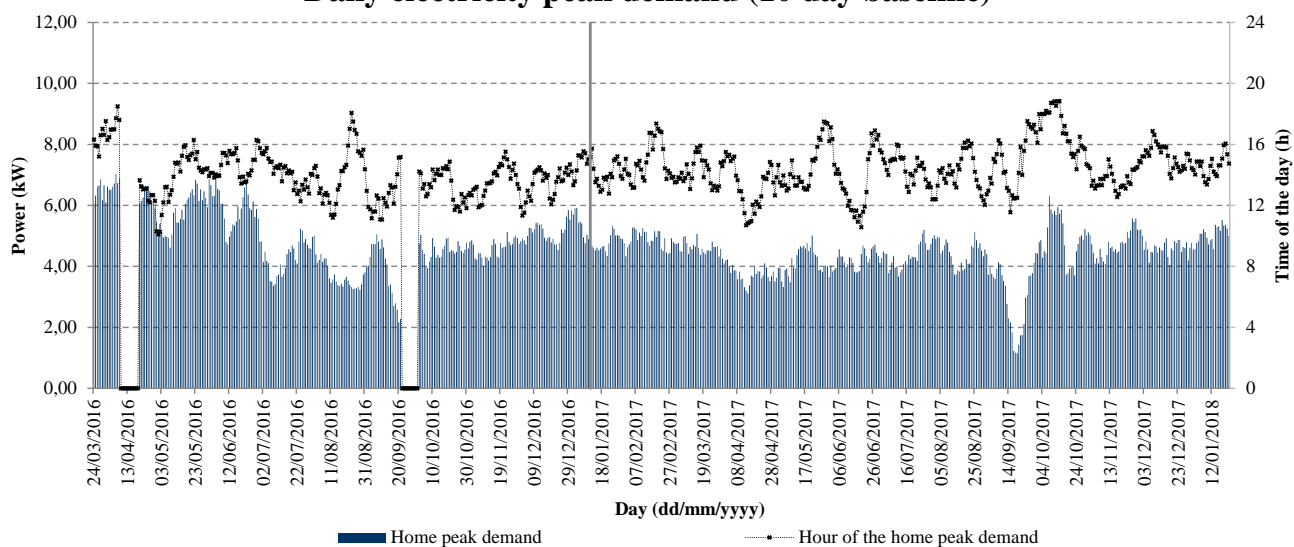
Cumulative electricity consumption



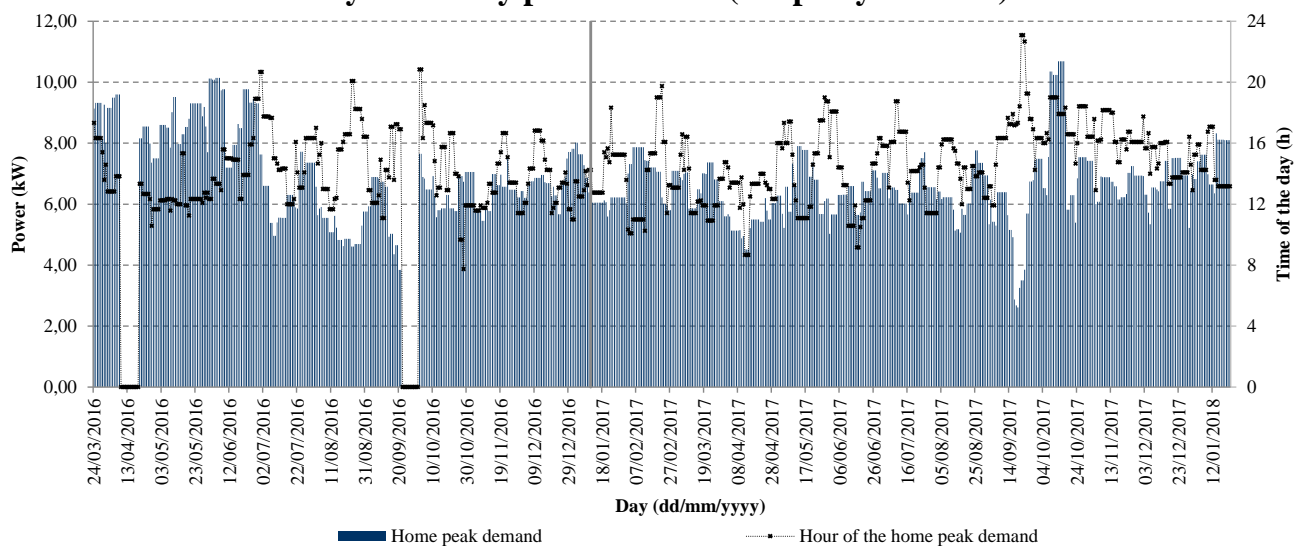
Daily electricity consumption



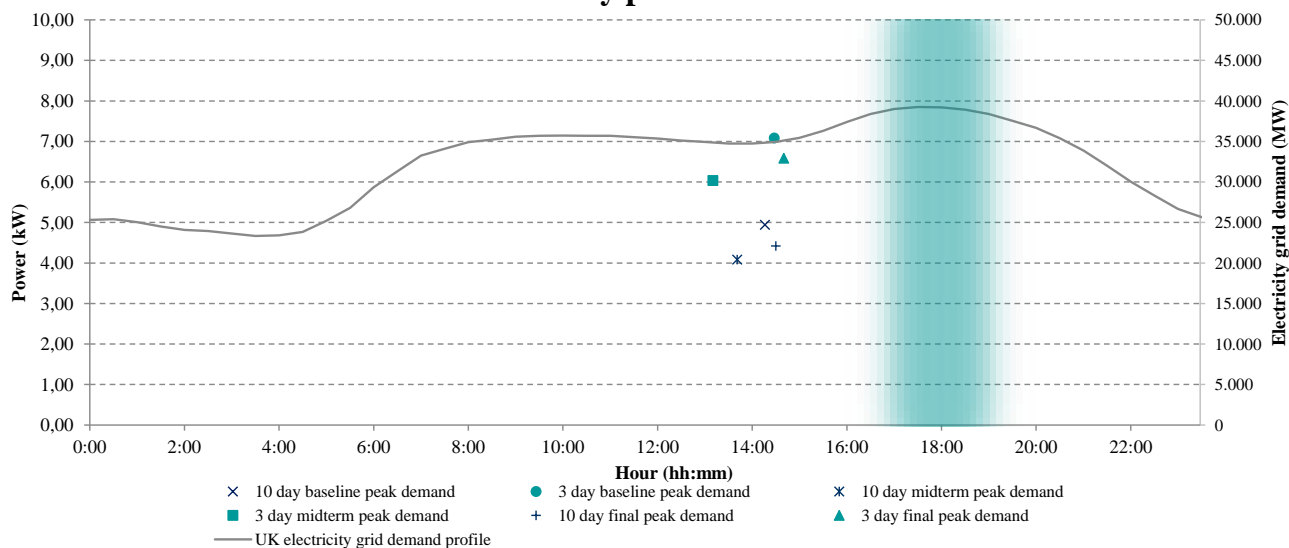
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #034	Dwelling type:	Mid Terrace House
Construction period:	1900-1929	Floor area (m²):	64
Number of storeys:	2	Number of habitable rooms:	5
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	55 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	0.5

Gas infrastructure characteristics

Manufacturer:	Krom/Schroder	Type:	Analogue
Model:	G4		
Location:	Outdoor	Distance aggregator-meter (m):	0.5

Baseline period

Starting date (dd/mm/yyyy):	22/02/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	1.488,0		

Electricity

Initial meter reading (kWh):	3.049	Final meter reading (kWh):	5.981
10 day baseline peak demand Power (kW):	2,74	Time (hh:mm):	16 h 57 min
3 day baseline peak demand Power (kW):	4,02	Time (hh:mm):	17 h 50 min
Demand at the network peak Power (kW):	1,86	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	12.640	Final meter reading (m³):	13.296
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Electricity consumption (kWh):	2.932,0
Gas consumption (kWh):	7.323,5
Total energy consumption (kWh):	10.255,5

Midterm reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	5.981	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 3,07	Time (hh:mm):	17 h 35 min
3 day baseline peak demand	Power (kW): 4,66	Time (hh:mm):	17 h 50 min
Demand at the network peak	Power (kW): 1,98	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	13.296	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.313,7
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	23/01/2018
Heating Degree Days (°C) :	1.771,5		

Electricity

Initial meter reading (kWh):	5.981	Final meter reading (kWh):	9.401
10 day baseline peak demand	Power (kW): 2,87	Time (hh:mm):	17 h 23 min
3 day baseline peak demand	Power (kW): 4,23	Time (hh:mm):	17 h 53 min
Demand at the network peak	Power (kW): 1,83	Time (hh:mm):	17 h 0 min to 19h 0 min

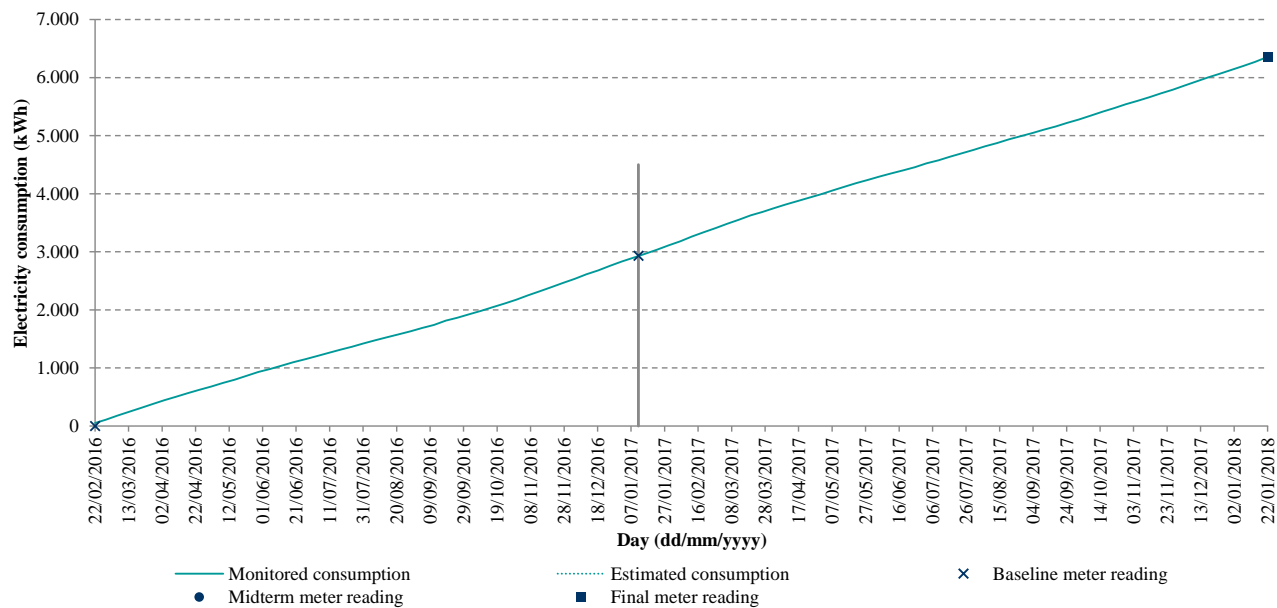
Gas

Initial meter reading (m³):	13.296	Final meter reading (m³):	13.970
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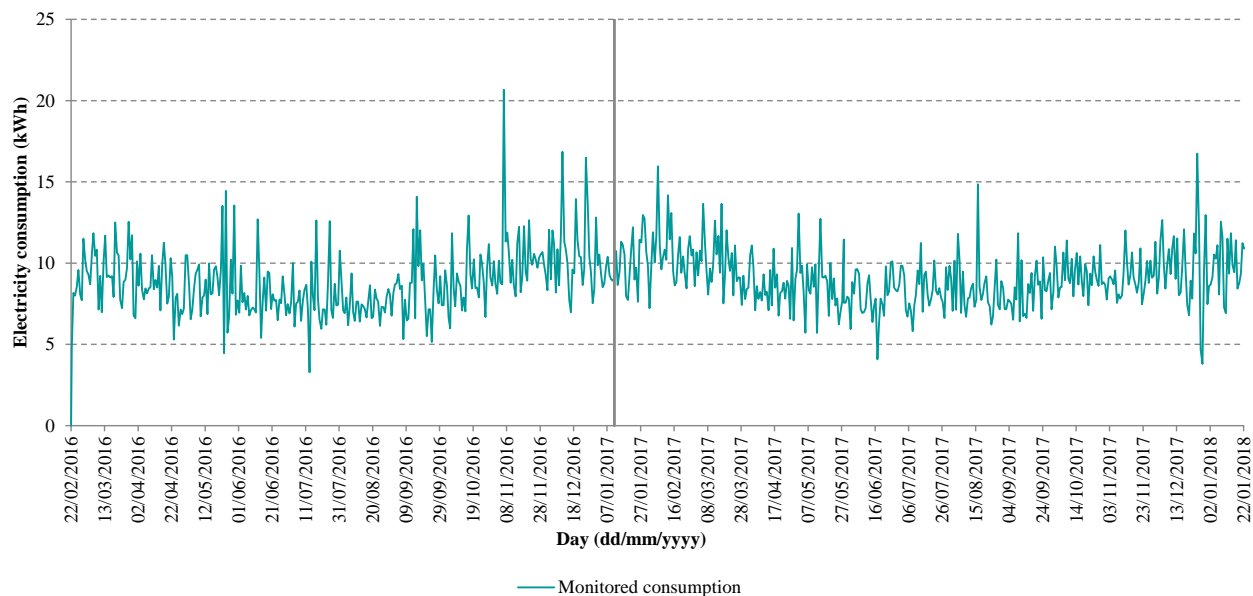
Electricity consumption (kWh):	3.420,0
Gas consumption (kWh):	7.529,6
Total energy consumption (kWh):	10.949,6

Baseline, midterm and final reporting period

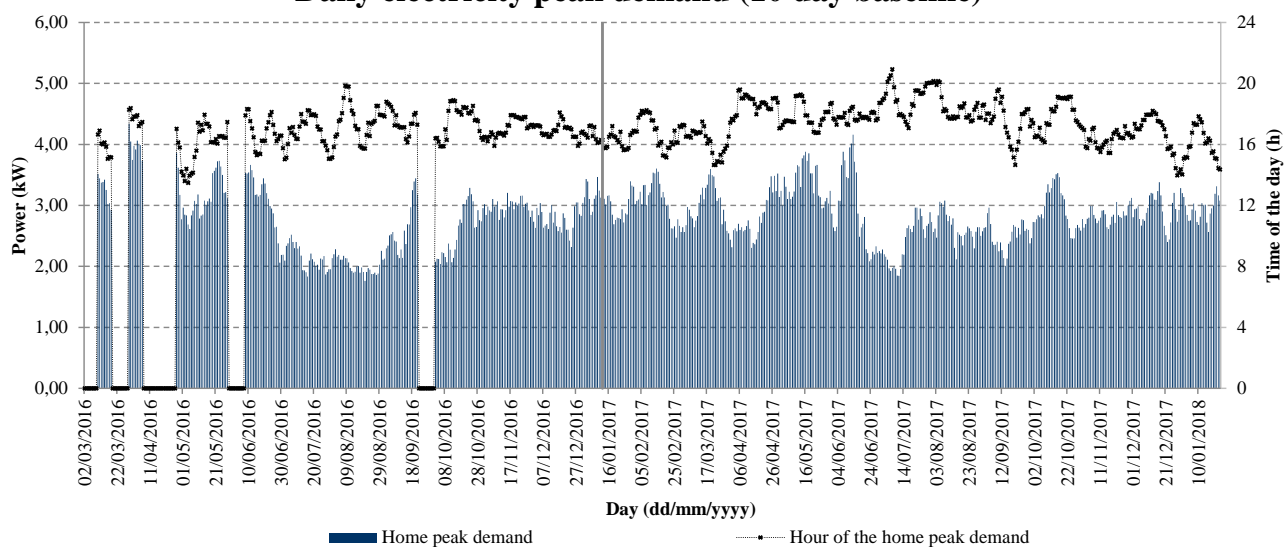
Cumulative electricity consumption



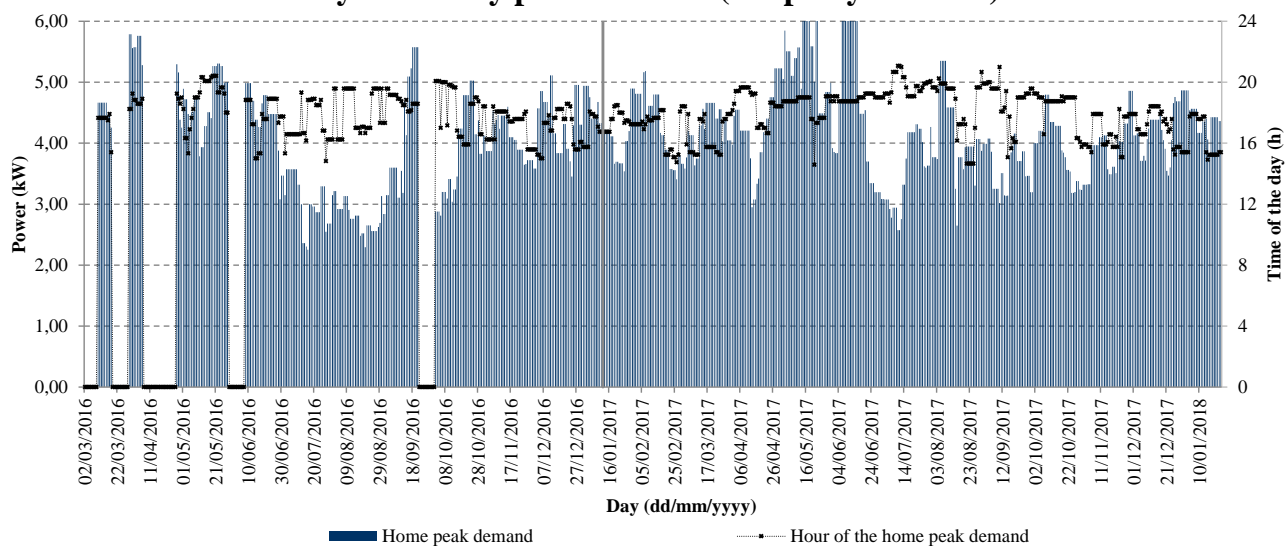
Daily electricity consumption



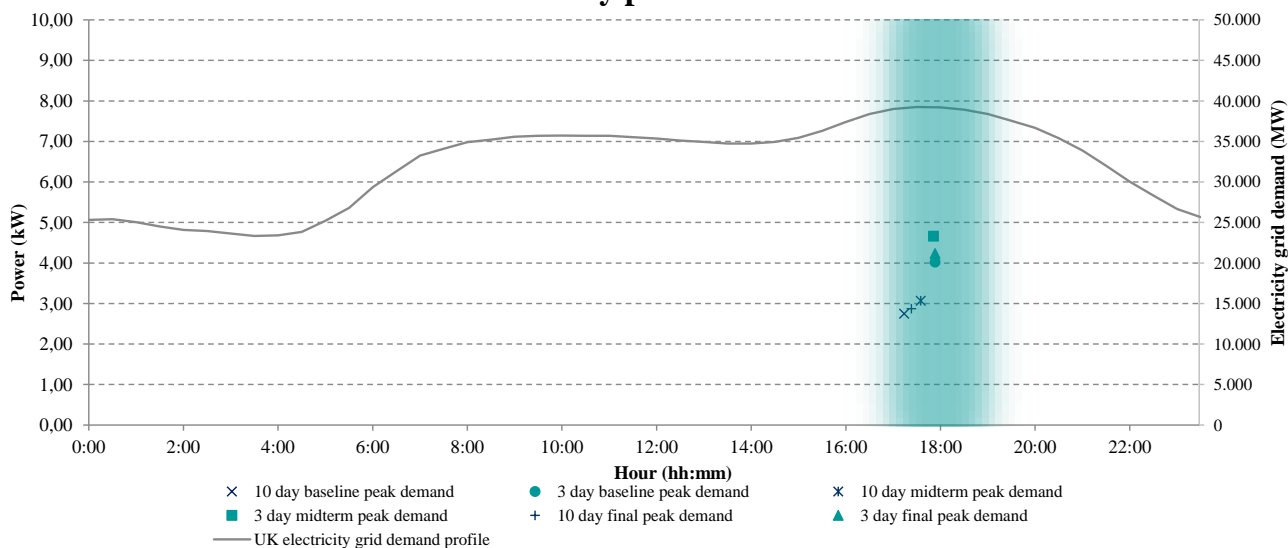
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #035	Dwelling type:	Flat
Construction period:	2007+	Floor area (m²):	66
Number of storeys:	1	Number of habitable rooms:	Missing
Household size:	2	Internet:	No

Energy characteristics

SAP:	89 B	Energy:	Electric only
Main heating fuel:	Electricity	Renewable energy:	Combined Heat and Power

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	6

Gas infrastructure characteristics

Manufacturer:	-	Type:	-
Model:	-		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	17/02/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	1.526,5		

Electricity

Initial meter reading (kWh):	12.022	Final meter reading (kWh):	14.831
10 day baseline peak demand	Power (kW): 3,61	Time (hh:mm):	14 h 56 min
3 day baseline peak demand	Power (kW): 5,29	Time (hh:mm):	16 h 12 min
Demand at the network peak	Power (kW): 0,23	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	2.809,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	2.809,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	14.831	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 2,65	Time (hh:mm):	14 h 50 min
3 day baseline peak demand	Power (kW): 3,55	Time (hh:mm):	15 h 1 min
Demand at the network peak	Power (kW): 1,05	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.121,1
Gas consumption (kWh):	-
Total energy consumption (kWh):	1.121,1

Final reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	15/01/2018
Heating Degree Days (°C) :	1.704,5		

Electricity

Initial meter reading (kWh):	14.831	Final meter reading (kWh):	17.902
10 day baseline peak demand	Power (kW): 2,62	Time (hh:mm):	15 h 4 min
3 day baseline peak demand	Power (kW): 3,56	Time (hh:mm):	15 h 18 min
Demand at the network peak	Power (kW): 0,95	Time (hh:mm):	17 h 0 min to 19h 0 min

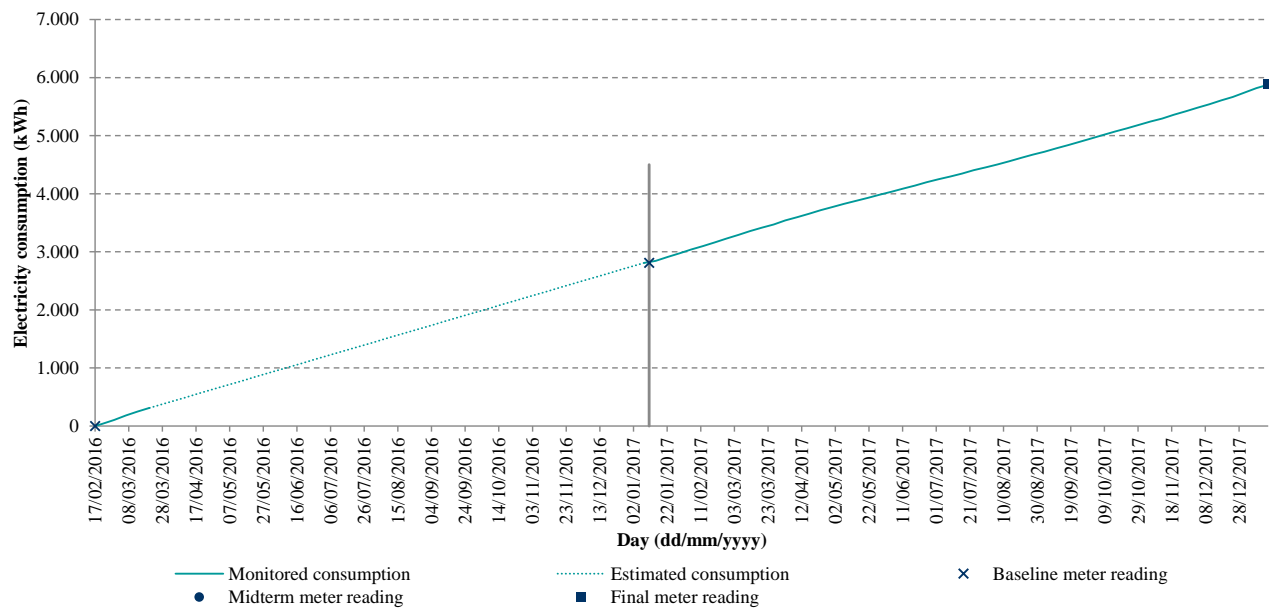
Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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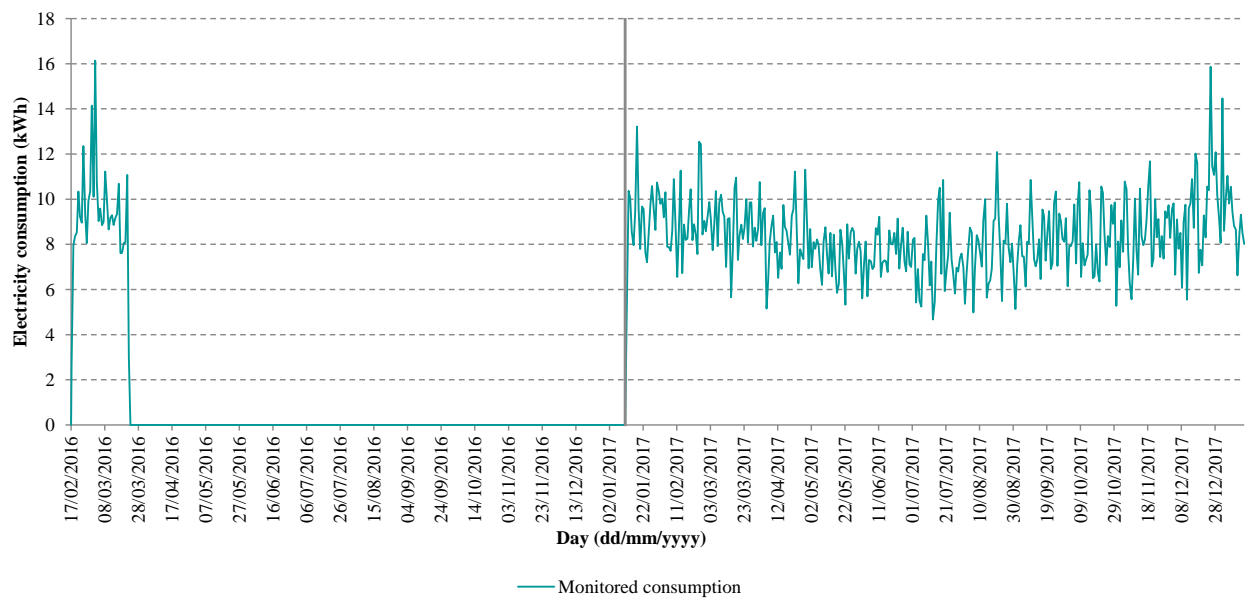
Electricity consumption (kWh):	3.071,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	3.071,0

Baseline, midterm and final reporting period

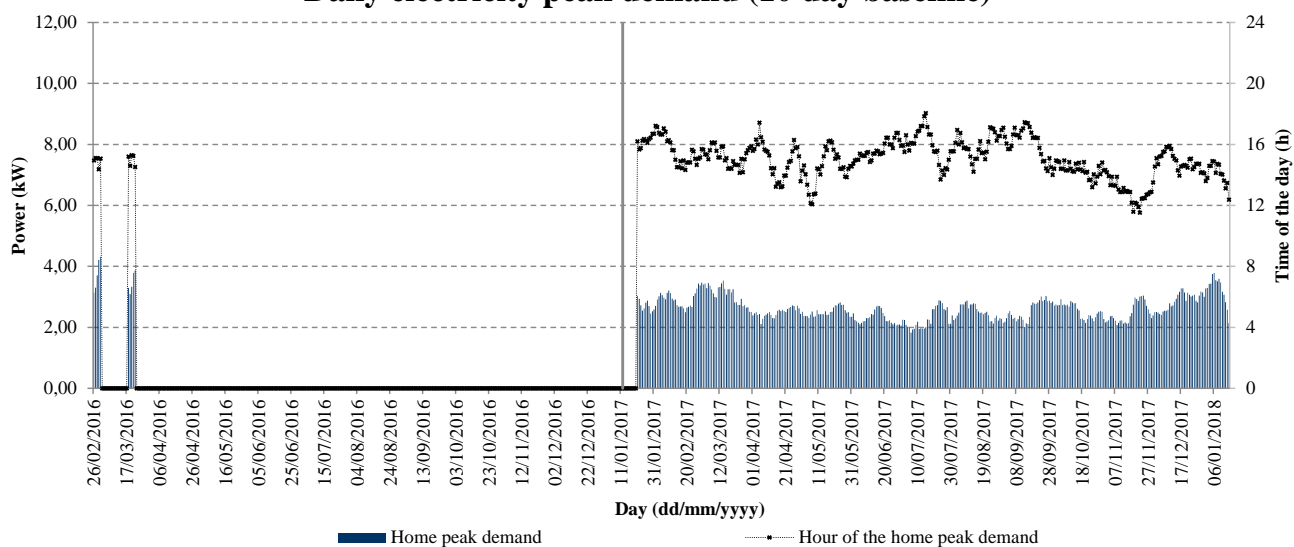
Cumulative electricity consumption



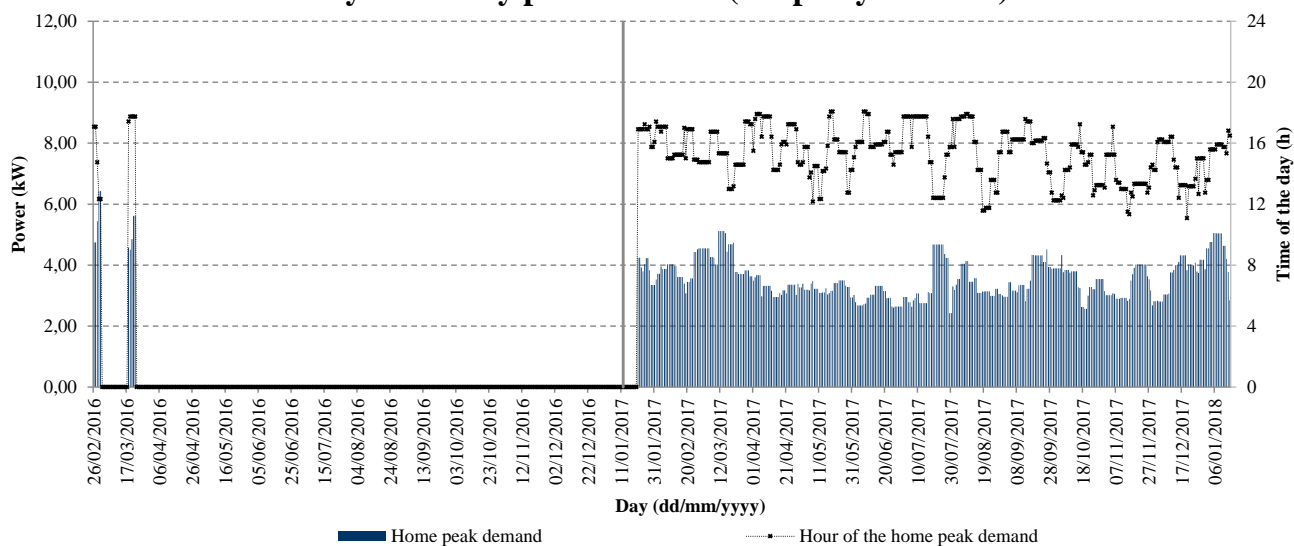
Daily electricity consumption



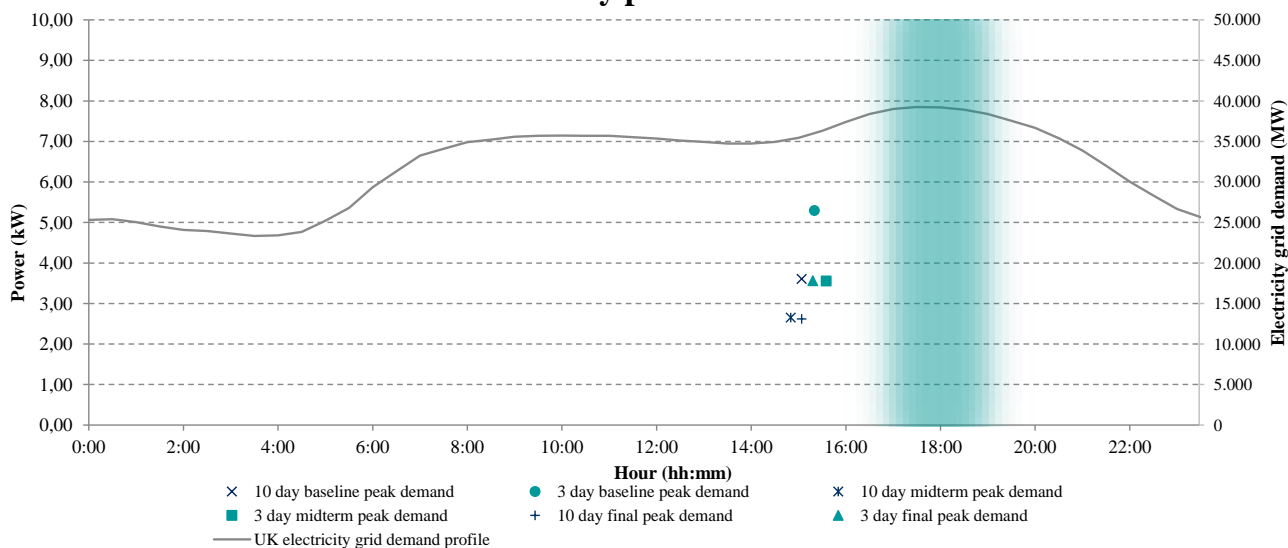
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #037	Dwelling type:	Semi Detached Bungalow
Construction period:	1967-1975	Floor area (m²):	45
Number of storeys:	1	Number of habitable rooms:	3
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	65 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	0.5

Gas infrastructure characteristics

Manufacturer:	Schlumberger	Type:	Analogue
Model:	G4		
Location:	Outdoor	Distance aggregator-meter (m):	5

Baseline period

Starting date (dd/mm/yyyy):	12/02/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C) :	1.633,5		

Electricity

Initial meter reading (kWh):	1.758	Final meter reading (kWh):	4.593
10 day baseline peak demand	Power (kW): 3,63	Time (hh:mm):	13 h 30 min
3 day baseline peak demand	Power (kW): 6,09	Time (hh:mm):	11 h 33 min
Demand at the network peak	Power (kW): 0,96	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.764	Final meter reading (m³):	3.221
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Electricity consumption (kWh):	2.835,0
Gas consumption (kWh):	5.101,9
Total energy consumption (kWh):	7.936,9

Midterm reporting period			
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Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	14/05/2017
Heating Degree Days (°C) :	819,5		

Electricity			
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Initial meter reading (kWh):	4.593	Final meter reading (kWh):	5.653
10 day baseline peak demand	Power (kW): 4,14	Time (hh:mm):	12 h 47 min
3 day baseline peak demand	Power (kW): 7,41	Time (hh:mm):	11 h 32 min
Demand at the network peak	Power (kW): 1,06	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	3.221	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.060,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
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Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	22/01/2018
Heating Degree Days (°C) :	1.718,5		

Electricity			
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Initial meter reading (kWh):	4.593	Final meter reading (kWh):	7.884
10 day baseline peak demand	Power (kW): 3,54	Time (hh:mm):	12 h 28 min
3 day baseline peak demand	Power (kW): 5,54	Time (hh:mm):	11 h 4 min
Demand at the network peak	Power (kW): 1,06	Time (hh:mm):	17 h 0 min to 19h 0 min

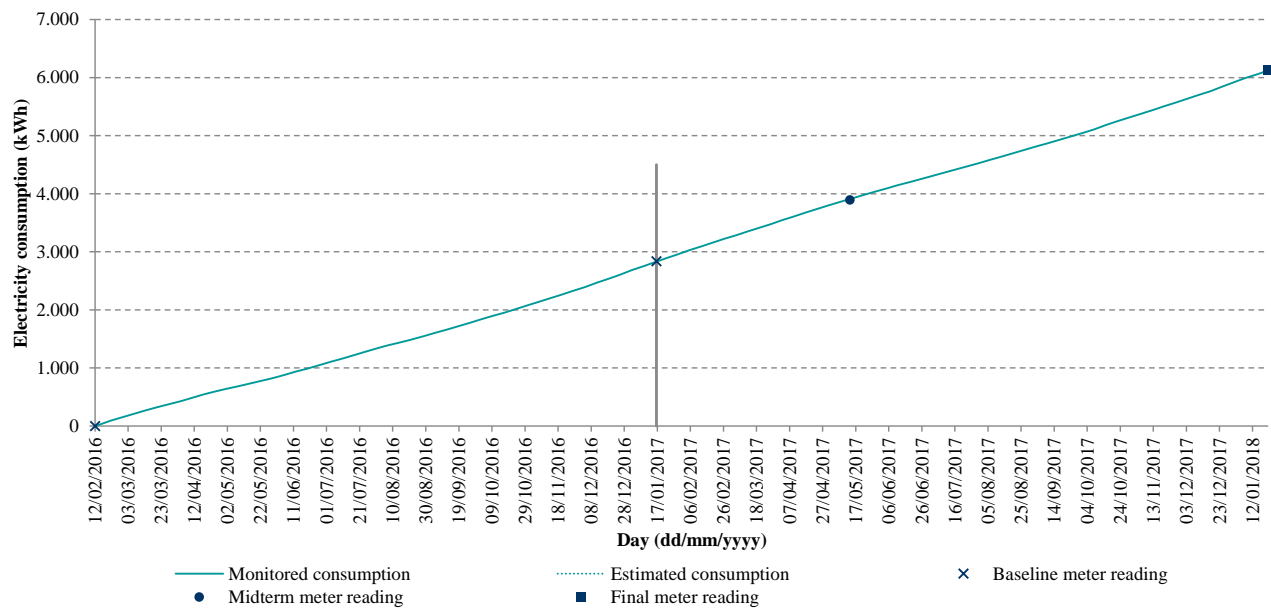
Gas			
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Initial meter reading (m³):	3.221	Final meter reading (m³):	3.779
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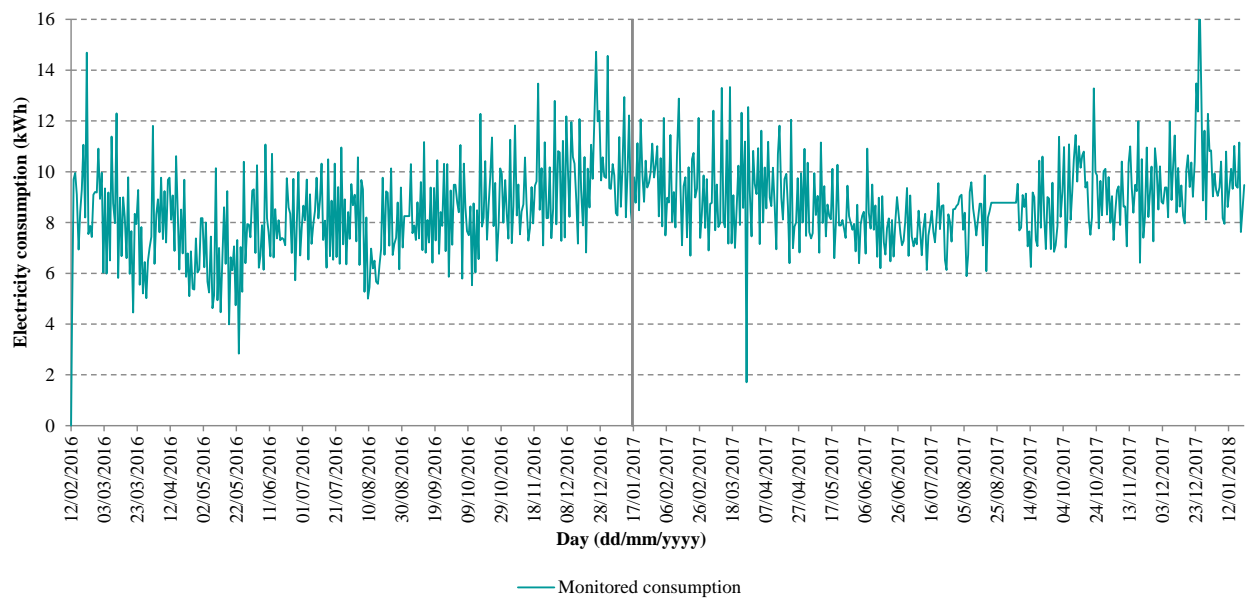
Electricity consumption (kWh):	3.291,0
Gas consumption (kWh):	6.226,3
Total energy consumption (kWh):	9.517,3

Baseline, midterm and final reporting period

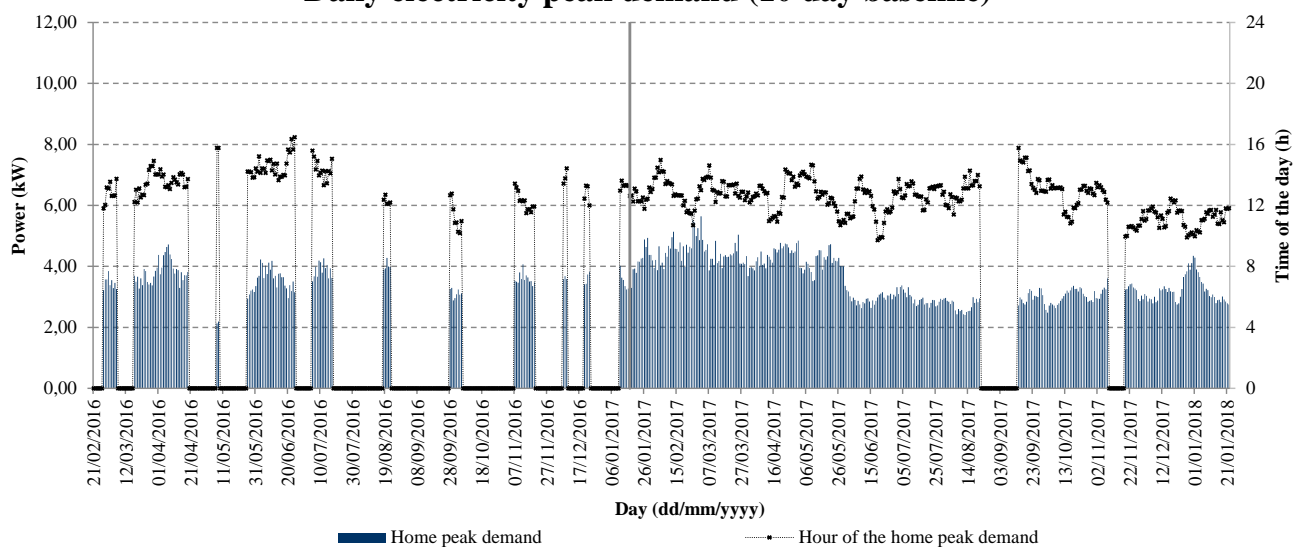
Cumulative electricity consumption



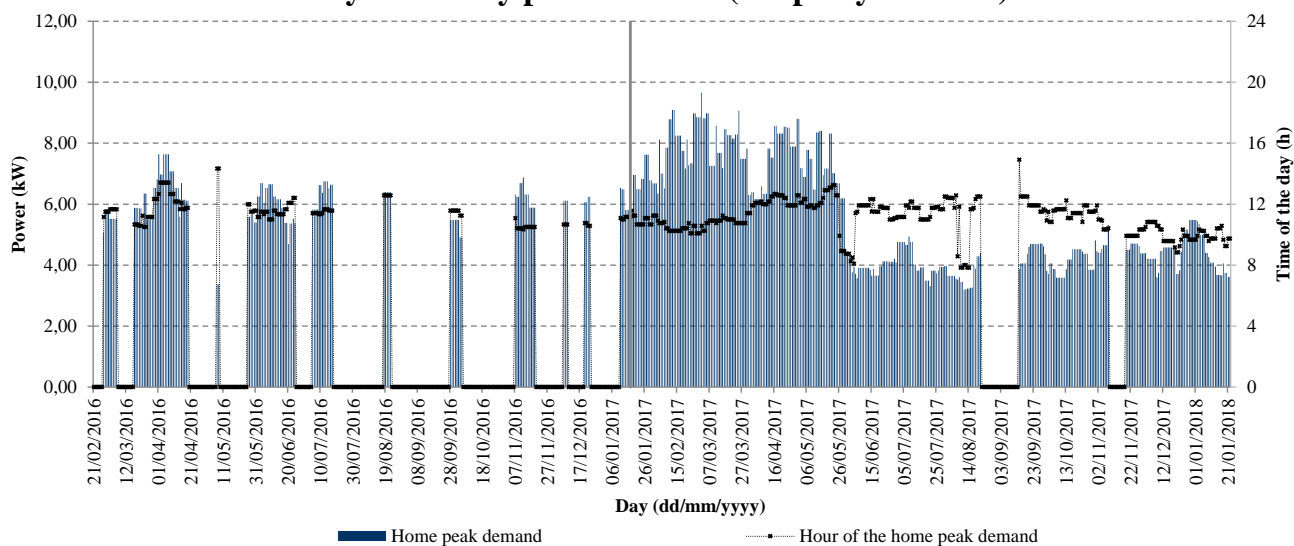
Daily electricity consumption



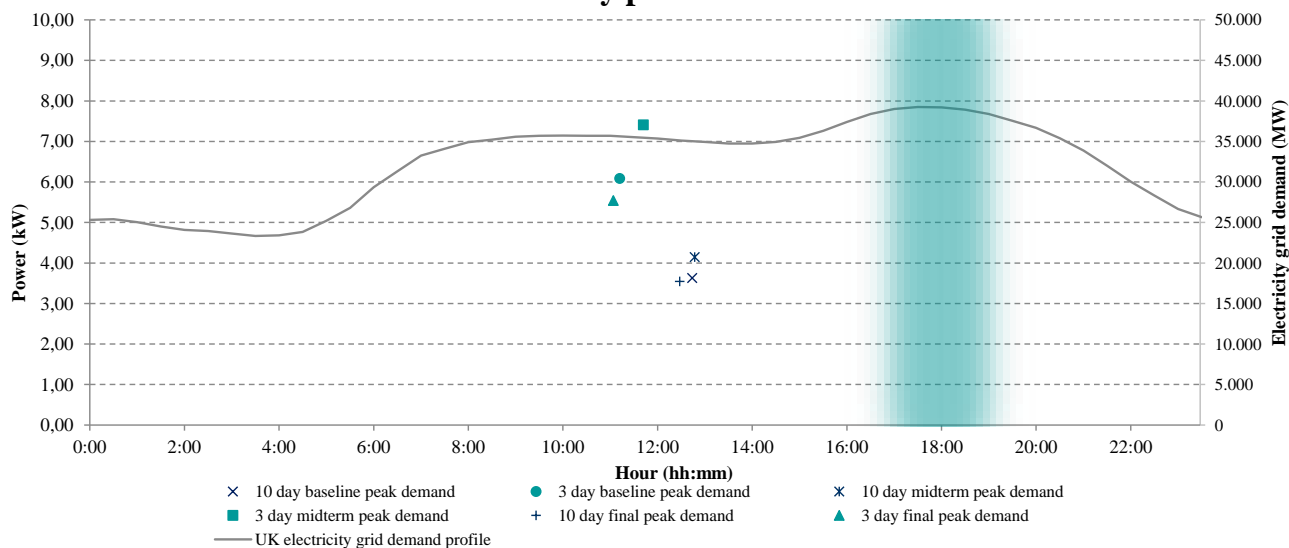
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #039	Dwelling type:	Flat
Construction period:	1991-1995	Floor area (m²):	55
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	No

Energy characteristics

SAP:	75 C	Energy:	Electric only
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Pre-payment
Model:	ZCE527/2	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	4

Gas infrastructure characteristics

Manufacturer:	-	Type:	-
Model:	-		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	16/03/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.232,0		

Electricity

Initial meter reading (kWh):	39.781	Final meter reading (kWh):	44.200
10 day baseline peak demand	Power (kW): 4,63	Time (hh:mm):	7 h 55 min
3 day baseline peak demand	Power (kW): 6,22	Time (hh:mm):	7 h 18 min
Demand at the network peak	Power (kW): 0,76	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	4.419,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	4.419,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	44.200	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 5,42	Time (hh:mm):	5 h 42 min
3 day baseline peak demand	Power (kW): 6,58	Time (hh:mm):	6 h 53 min
Demand at the network peak	Power (kW): 0,76	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	2.820,6
Gas consumption (kWh):	-
Total energy consumption (kWh):	2.820,6

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	18/01/2018
Heating Degree Days (°C) :	1.739,5		

Electricity

Initial meter reading (kWh):	44.200	Final meter reading (kWh):	50.465
10 day baseline peak demand	Power (kW): 5,29	Time (hh:mm):	7 h 6 min
3 day baseline peak demand	Power (kW): 6,93	Time (hh:mm):	6 h 54 min
Demand at the network peak	Power (kW): 0,83	Time (hh:mm):	17 h 0 min to 19h 0 min

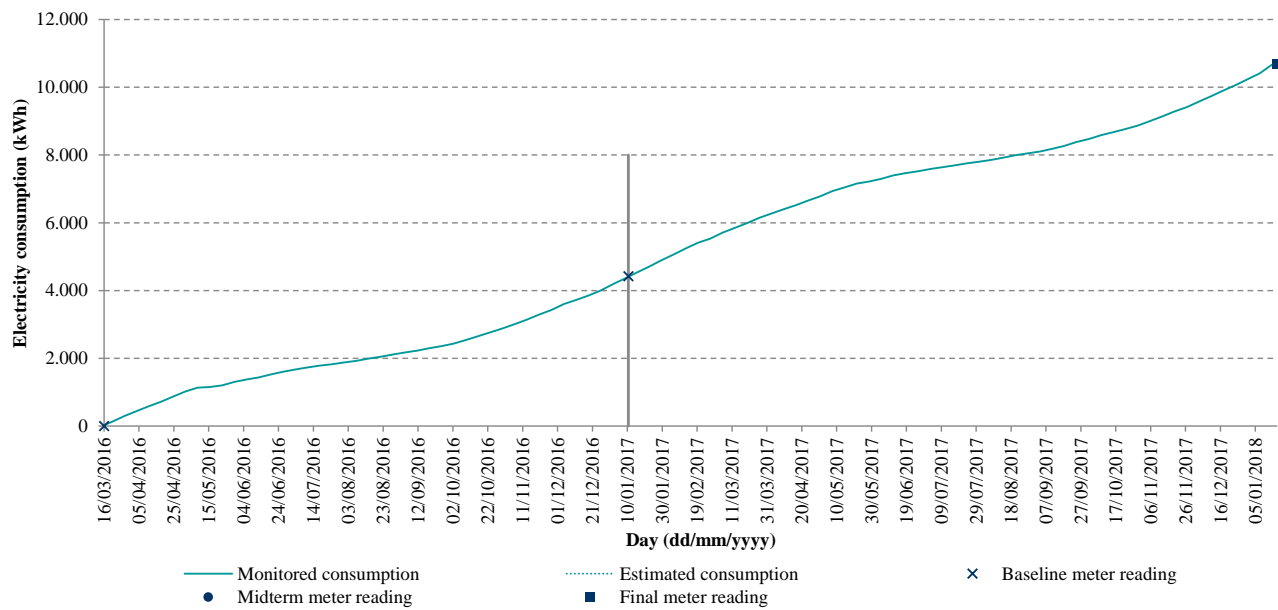
Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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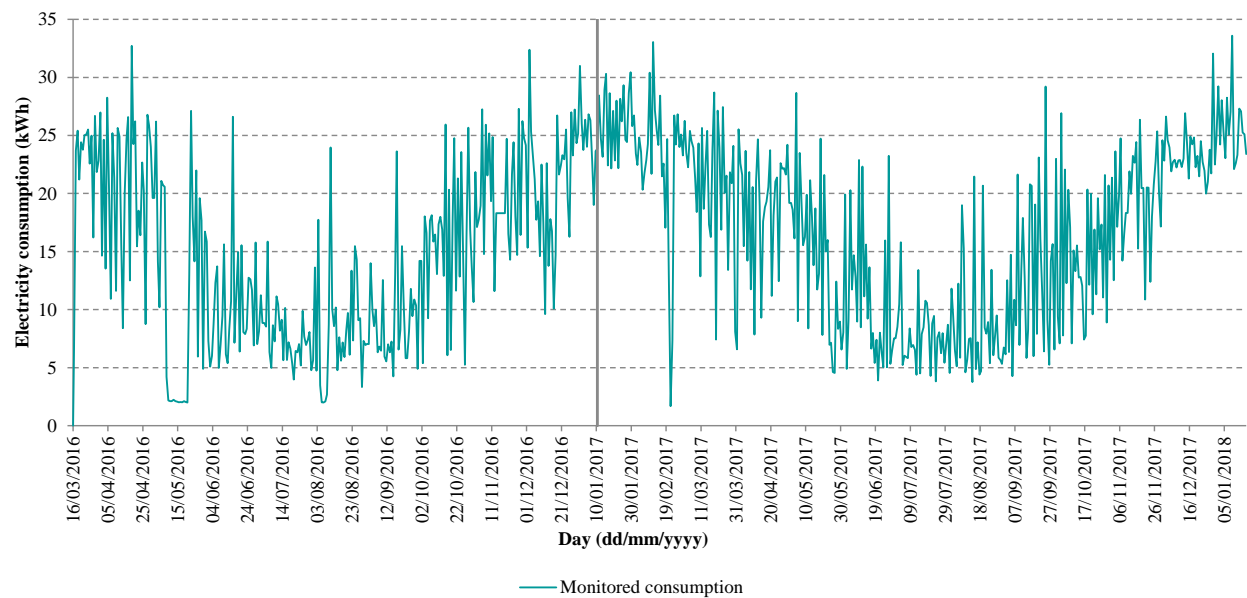
Electricity consumption (kWh):	6.265,1
Gas consumption (kWh):	-
Total energy consumption (kWh):	6.265,1

Baseline, midterm and final reporting period

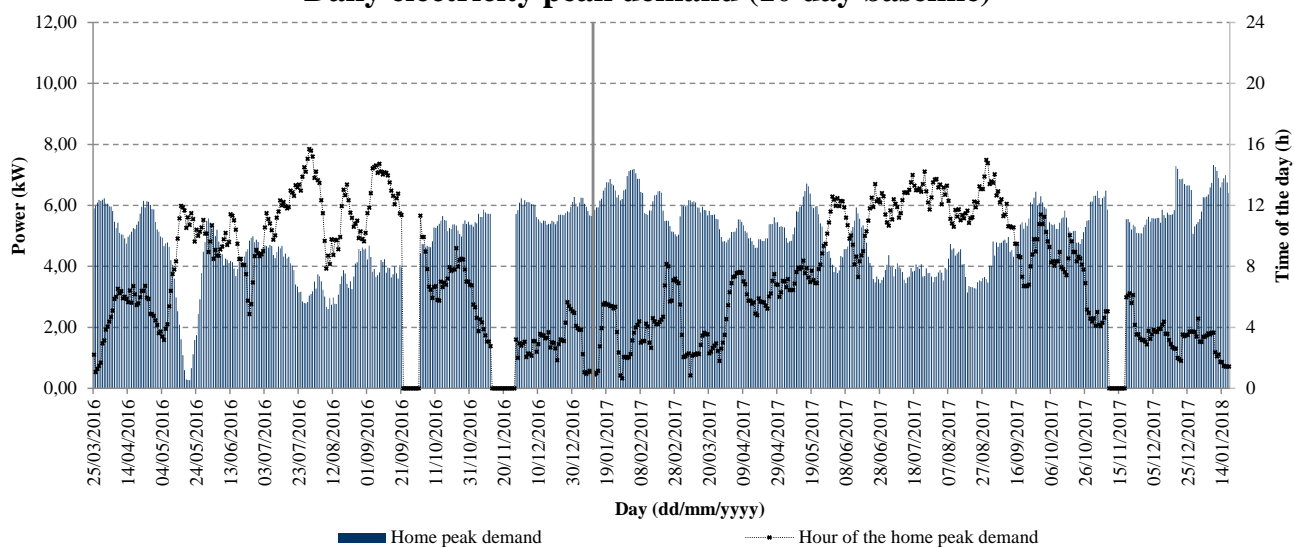
Cumulative electricity consumption



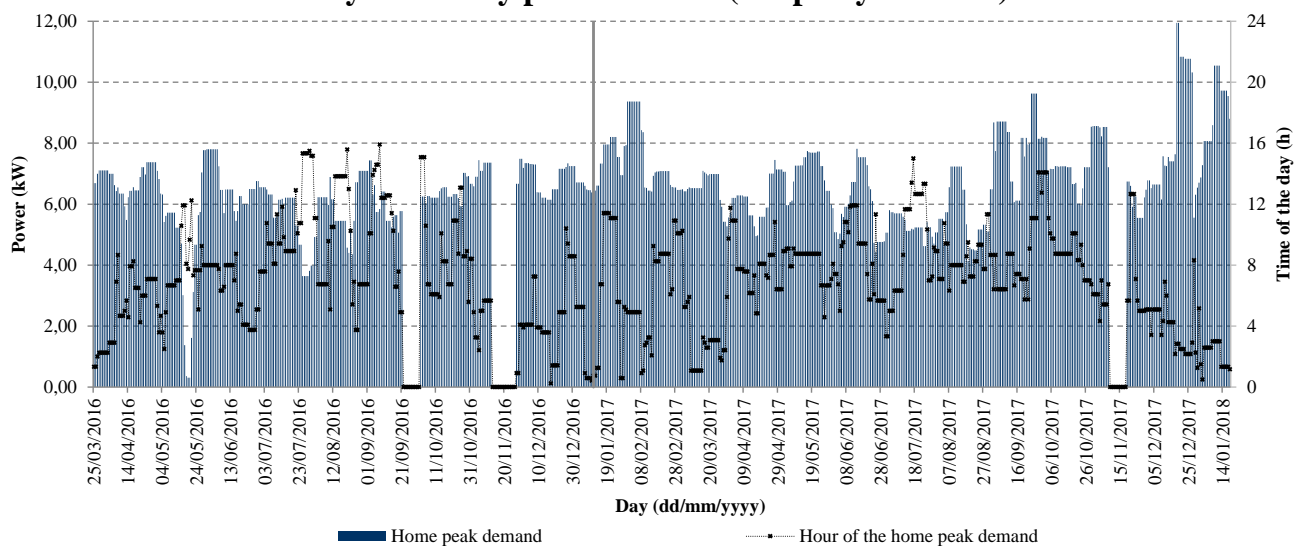
Daily electricity consumption



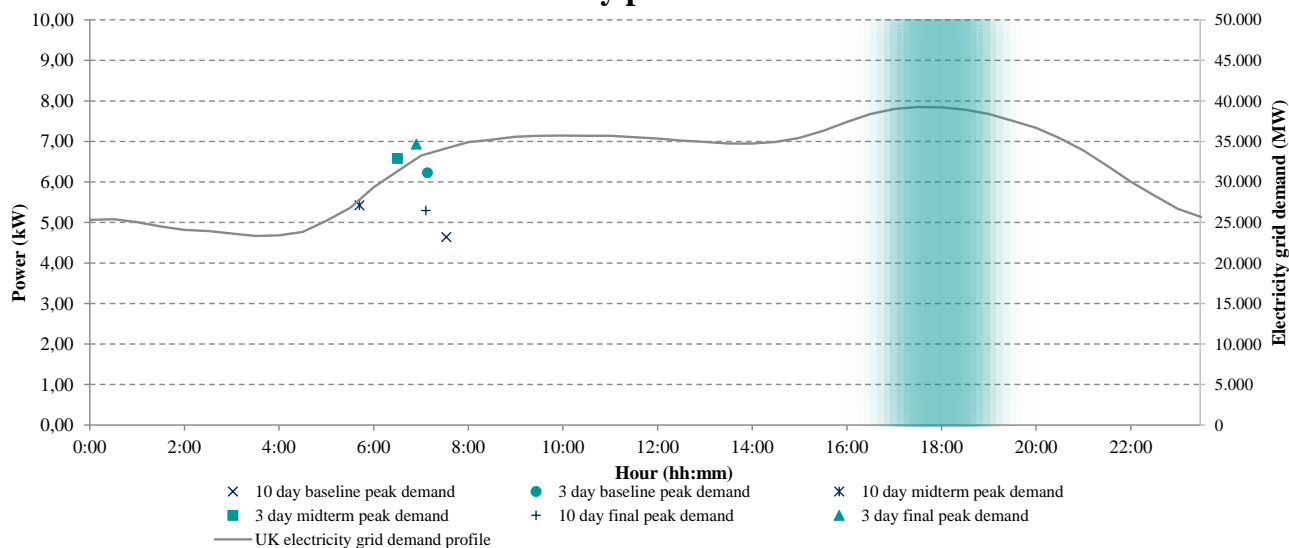
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #040	Dwelling type:	Mid Terrace House
Construction period:	1967-1975	Floor area (m²):	80
Number of storeys:	2	Number of habitable rooms:	3
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	58 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Actaris	Type:	Digital
Model:	Ace 1000	Conversion factor (impulses/kWh):	800
Location:	Outdoor	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Krom/Schroder	Type:	Analogue
Model:	Bk-G4		
Location:	Outdoor	Distance aggregator-meter (m):	6

Baseline period

Starting date (dd/mm/yyyy):	16/03/2016	Final date (dd/mm/yyyy):	18/01/2017
Heating Degree Days (°C) :	1.298,5		

Electricity

Initial meter reading (kWh):	41.459	Final meter reading (kWh):	44.006
10 day baseline peak demand	Power (kW): 2,21	Time (hh:mm):	14 h 7 min
3 day baseline peak demand	Power (kW): 3,55	Time (hh:mm):	16 h 30 min
Demand at the network peak	Power (kW): 0,84	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	12.841	Final meter reading (m³):	13.354
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Electricity consumption (kWh):	2.547,0
Gas consumption (kWh):	5.727,0
Total energy consumption (kWh):	8.274,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	44.006	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 2,12	Time (hh:mm):	13 h 34 min
3 day baseline peak demand	Power (kW): 3,34	Time (hh:mm):	17 h 4 min
Demand at the network peak	Power (kW): 0,90	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	13.354	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.122,8
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	18/01/2018
Heating Degree Days (°C) :	1.678,0		

Electricity

Initial meter reading (kWh):	44.006	Final meter reading (kWh):	47.075
10 day baseline peak demand	Power (kW): 2,32	Time (hh:mm):	14 h 51 min
3 day baseline peak demand	Power (kW): 3,69	Time (hh:mm):	17 h 35 min
Demand at the network peak	Power (kW): 0,92	Time (hh:mm):	17 h 0 min to 19h 0 min

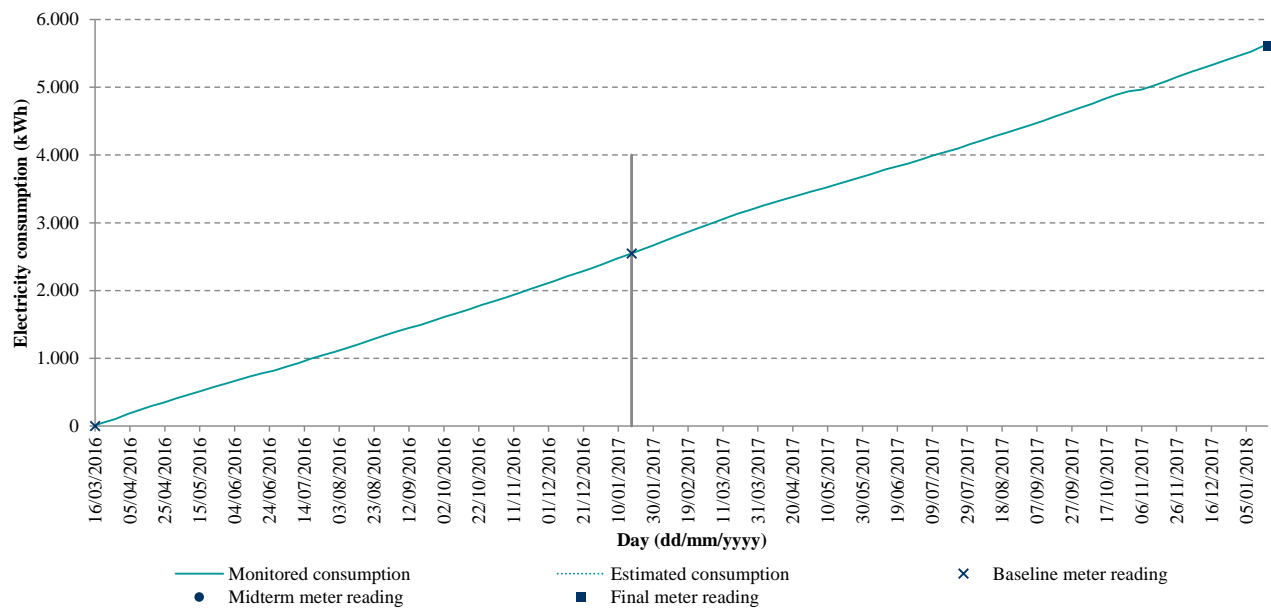
Gas

Initial meter reading (m³):	13.354	Final meter reading (m³):	14.027
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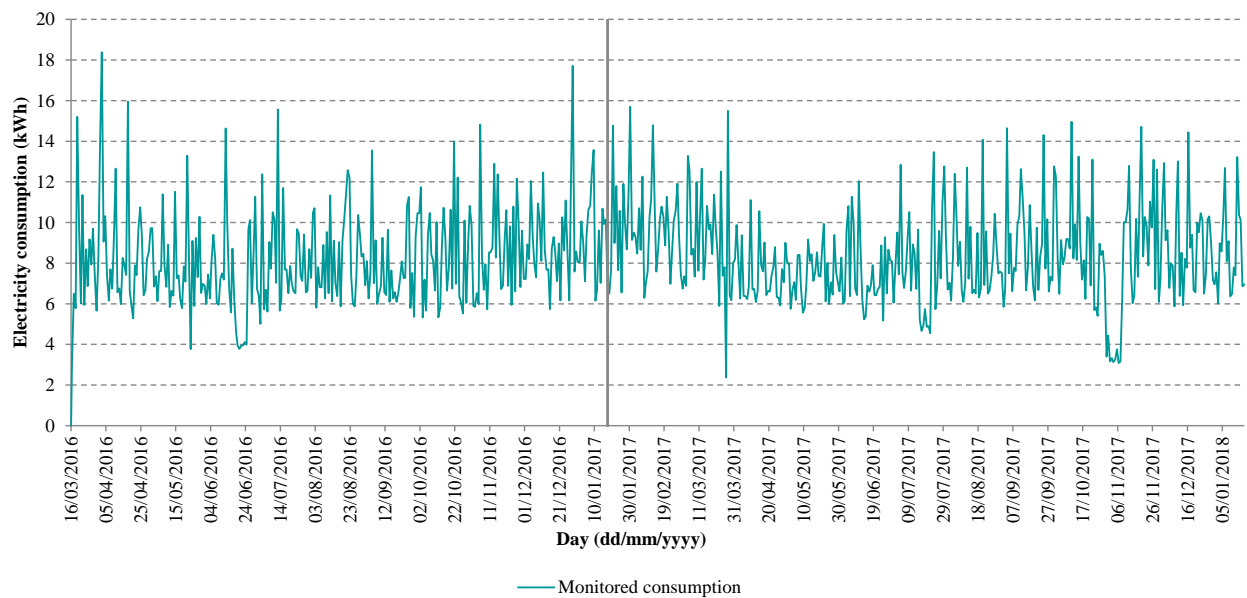
Electricity consumption (kWh):	3.069,0
Gas consumption (kWh):	7.512,4
Total energy consumption (kWh):	10.581,4

Baseline, midterm and final reporting period

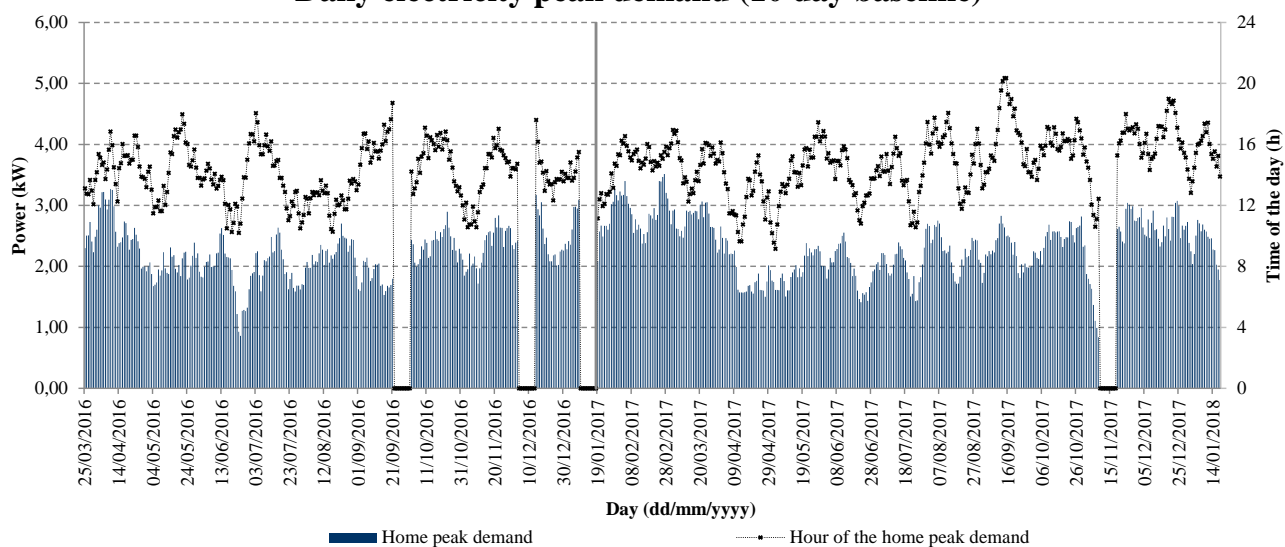
Cumulative electricity consumption



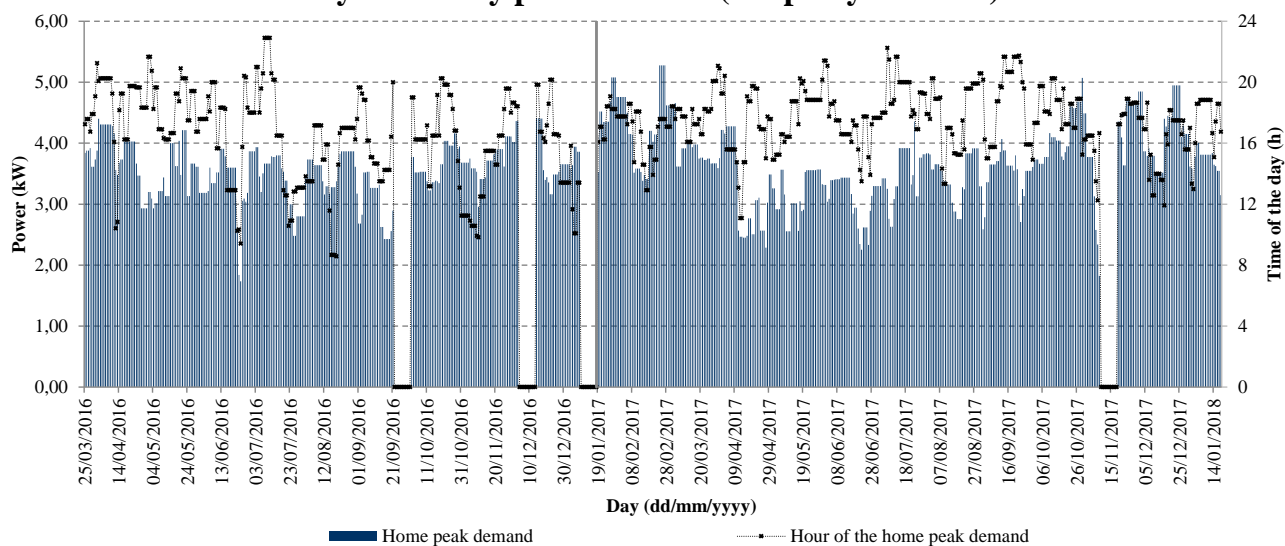
Daily electricity consumption



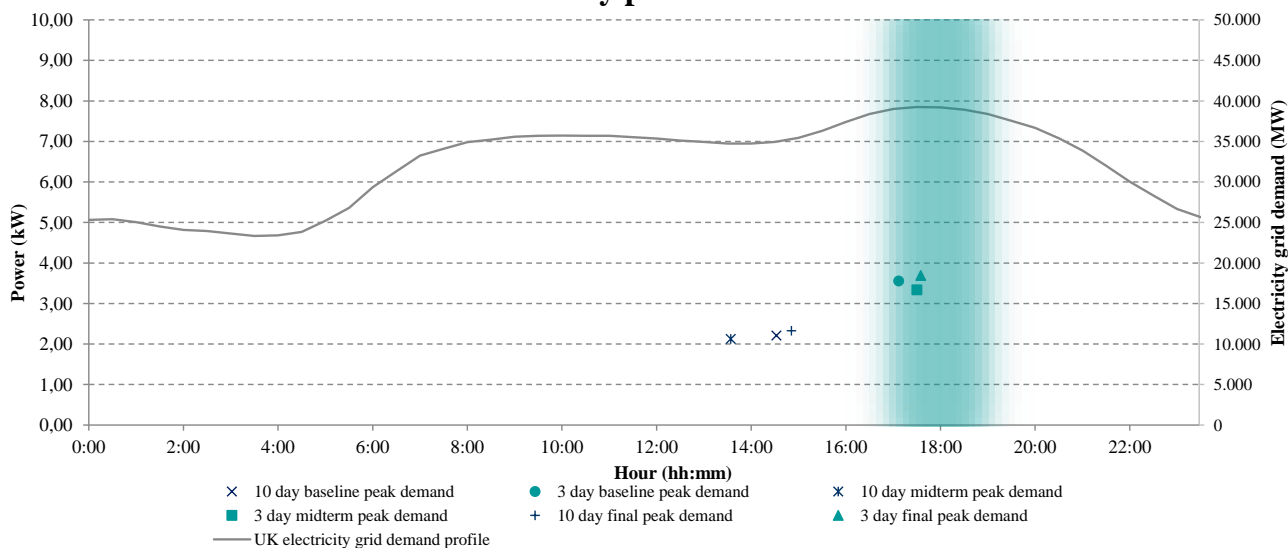
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #041	Dwelling type:	Flat
Construction period:	1996-2002	Floor area (m²):	56
Number of storeys:	1	Number of habitable rooms:	3
Household size:	1	Internet:	No

Energy characteristics

SAP:	76 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	British electric	Type:	Analogue
Model:	-	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	G4		
Location:	Indoor	Distance aggregator-meter (m):	3

Baseline period

Starting date (dd/mm/yyyy):	19/02/2016	Final date (dd/mm/yyyy):	10/02/2017
Heating Degree Days (°C) :	2237,5		

Electricity

Initial meter reading (kWh):	23.952	Final meter reading (kWh):	24.469
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.698	Final meter reading (m³):	1.918
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Electricity consumption (kWh):	517,0
Gas consumption (kWh):	2.456,0
Total energy consumption (kWh):	2.973,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	10/02/2017	Final date (dd/mm/yyyy):	18/05/2017
Heating Degree Days (°C) :	614,5		

Electricity

Initial meter reading (kWh):	24.469	Final meter reading (kWh):	24.646
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.918	Final meter reading (m³):	1.970
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Electricity consumption (kWh):	177,0
Gas consumption (kWh):	580,5
Total energy consumption (kWh):	757,5

Final reporting period			
Starting date (dd/mm/yyyy):	10/02/2017	Final date (dd/mm/yyyy):	23/01/2018
Heating Degree Days (°C) :	1504		

Electricity

Initial meter reading (kWh):	24.469	Final meter reading (kWh):	25.129
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

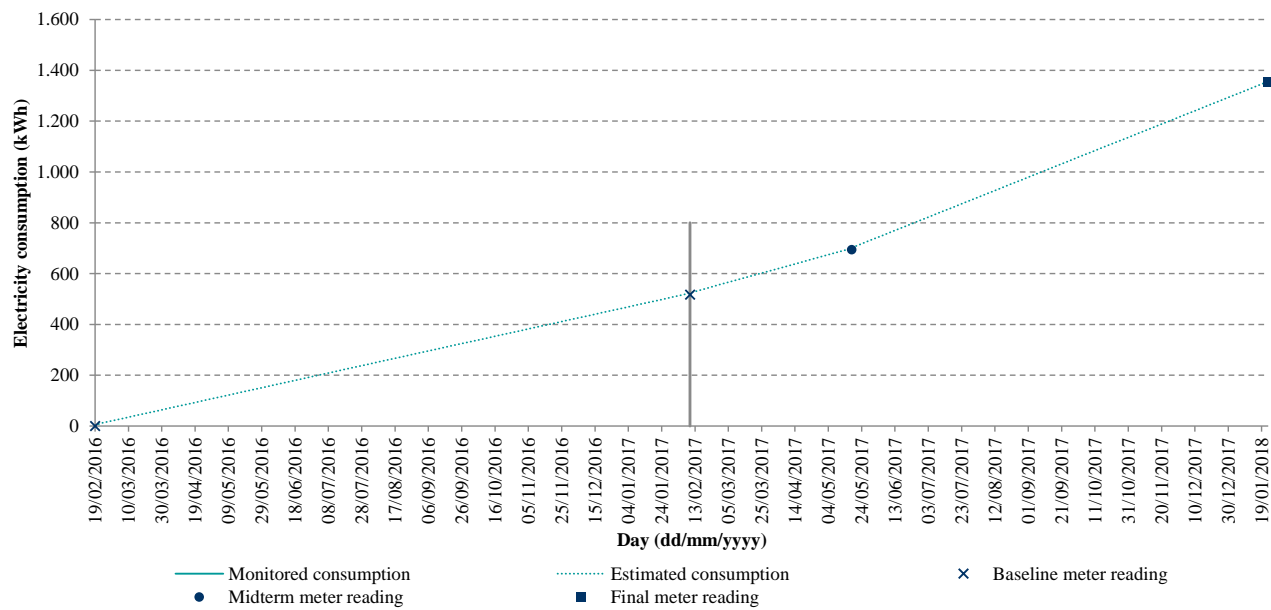
Gas

Initial meter reading (m³):	1.918	Final meter reading (m³):	2.087
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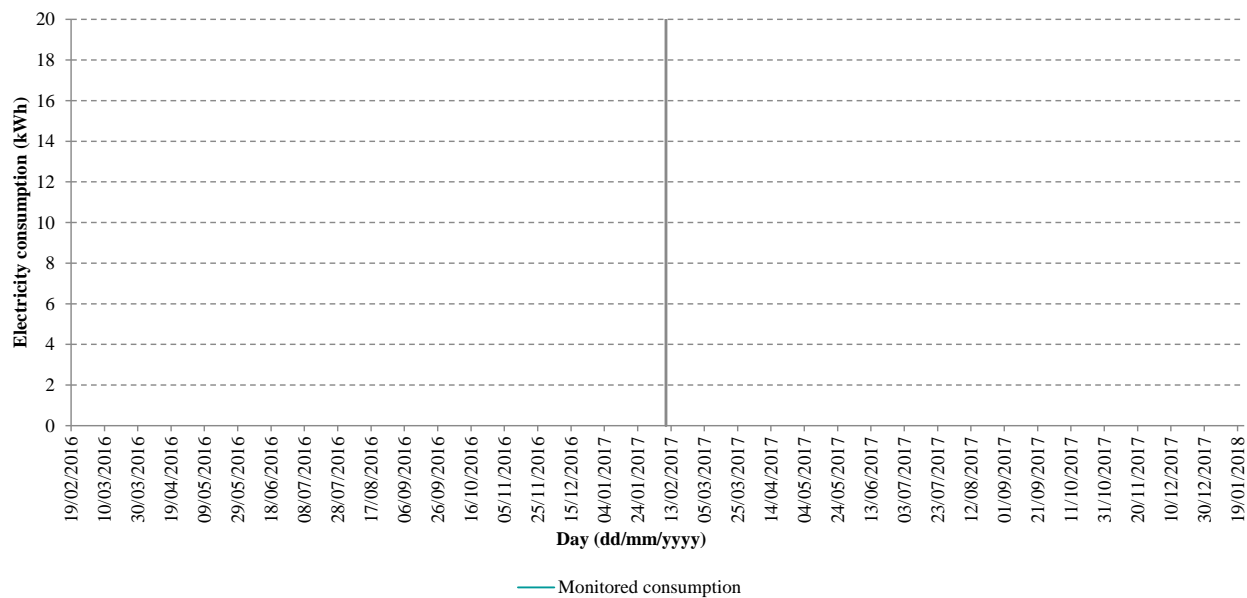
Electricity consumption (kWh):	659,5
Gas consumption (kWh):	1.890,1
Total energy consumption (kWh):	2.549,6

Baseline, midterm and final reporting period

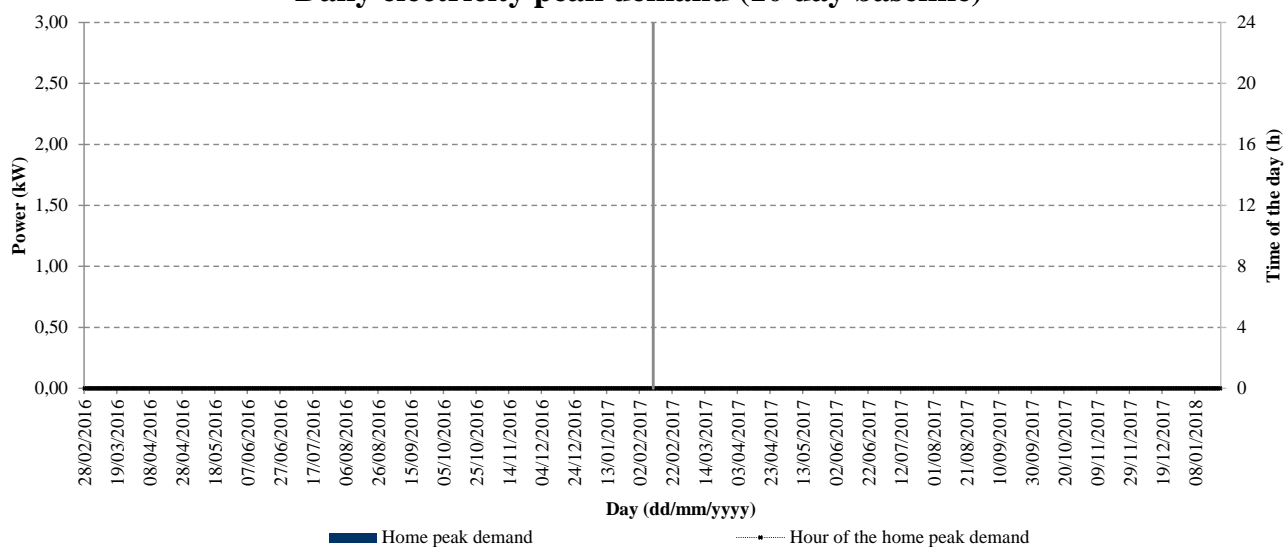
Cumulative electricity consumption



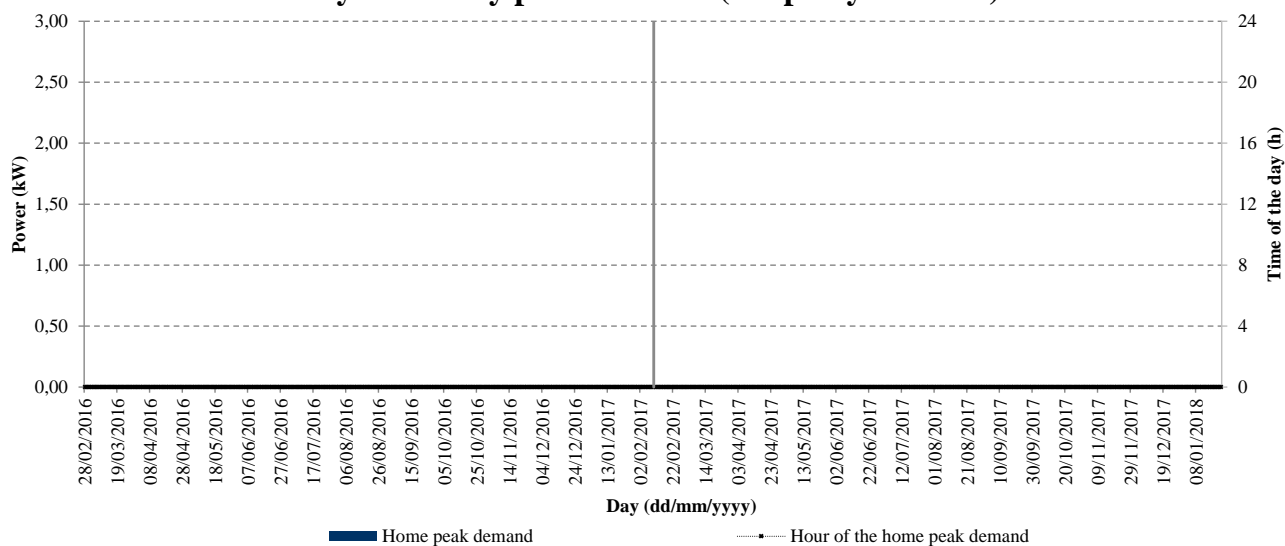
Daily electricity consumption



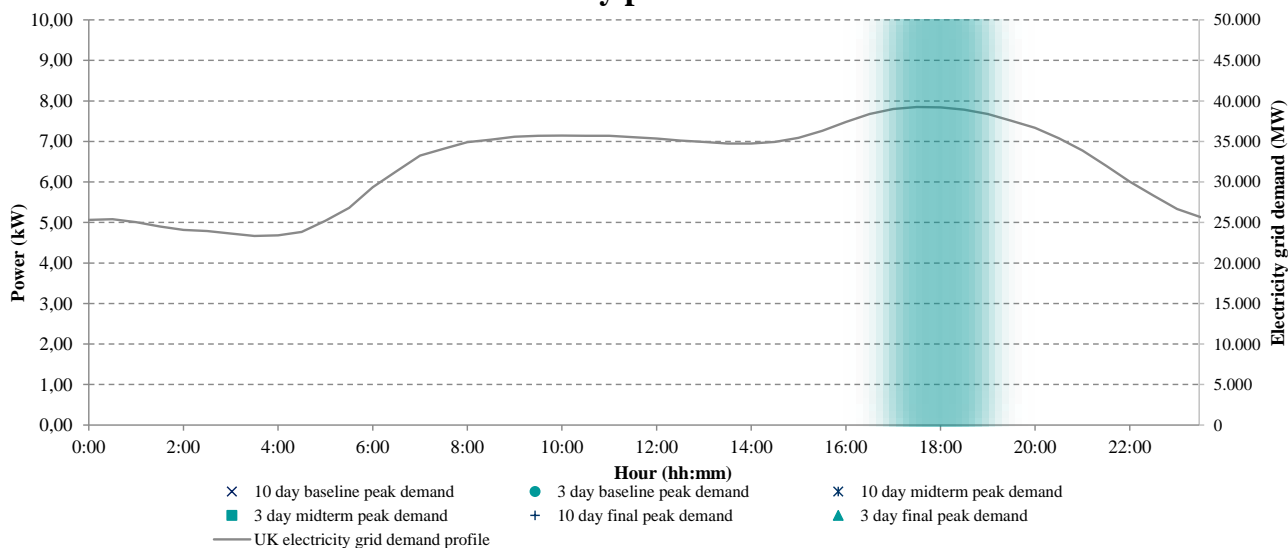
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #042	Dwelling type:	Flat
Construction period:	1983-1990	Floor area (m²):	63
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	76 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Pre-payment
Model:	ZCE527-2	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	4

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital pre-payment
Model:	G370		
Location:	Indoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	22/03/2016	Final date (dd/mm/yyyy):	10/02/2017
Heating Degree Days (°C) :	1.452,0		

Electricity

Initial meter reading (kWh):	24.237	Final meter reading (kWh):	26.390
10 day baseline peak demand	Power (kW): 2,33	Time (hh:mm):	15 h 21 min
3 day baseline peak demand	Power (kW): 4,58	Time (hh:mm):	16 h 1 min
Demand at the network peak	Power (kW): 0,69	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.084	Final meter reading (m³):	2.284
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Electricity consumption (kWh):	2.153,0
Gas consumption (kWh):	2.232,8
Total energy consumption (kWh):	4.385,8

Midterm reporting period			
Starting date (dd/mm/yyyy):	10/02/2017	Final date (dd/mm/yyyy):	30/05/2017
Heating Degree Days (°C) :	632,5		

Electricity

Initial meter reading (kWh):	26.390	Final meter reading (kWh):	27.072
10 day baseline peak demand	Power (kW): 2,10	Time (hh:mm):	15 h 27 min
3 day baseline peak demand	Power (kW): 3,75	Time (hh:mm):	17 h 47 min
Demand at the network peak	Power (kW): 0,74	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.284	Final meter reading (m³):	2.311
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Electricity consumption (kWh):	682,0
Gas consumption (kWh):	301,4
Total energy consumption (kWh):	983,4

Final reporting period			
Starting date (dd/mm/yyyy):	10/02/2017	Final date (dd/mm/yyyy):	16/01/2018
Heating Degree Days (°C) :	1.447,5		

Electricity

Initial meter reading (kWh):	26.390	Final meter reading (kWh):	28.679
10 day baseline peak demand	Power (kW): 2,16	Time (hh:mm):	15 h 36 min
3 day baseline peak demand	Power (kW): 3,90	Time (hh:mm):	16 h 46 min
Demand at the network peak	Power (kW): 0,79	Time (hh:mm):	17 h 0 min to 19h 0 min

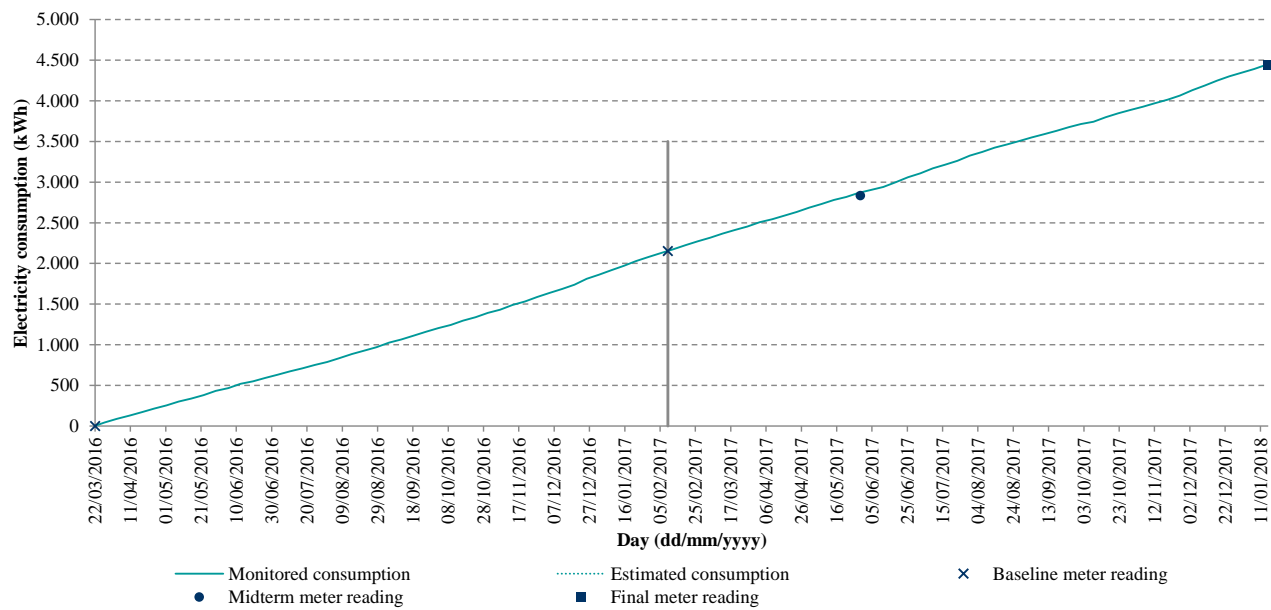
Gas

Initial meter reading (m³):	2.284	Final meter reading (m³):	-
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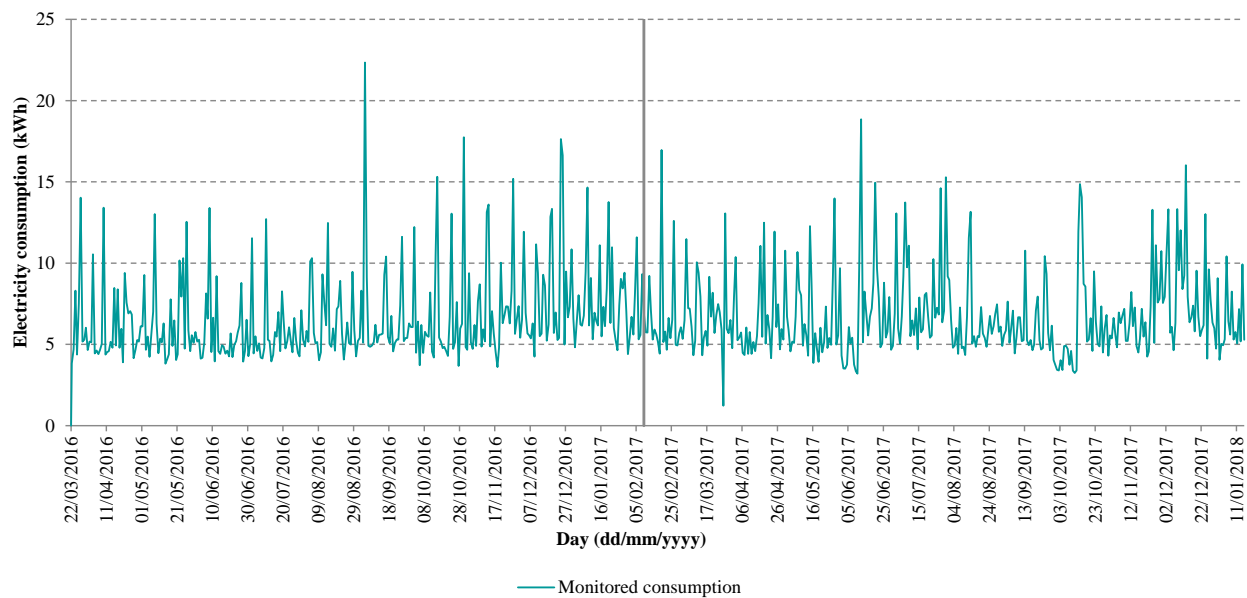
Electricity consumption (kWh):	2.289,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Baseline, midterm and final reporting period

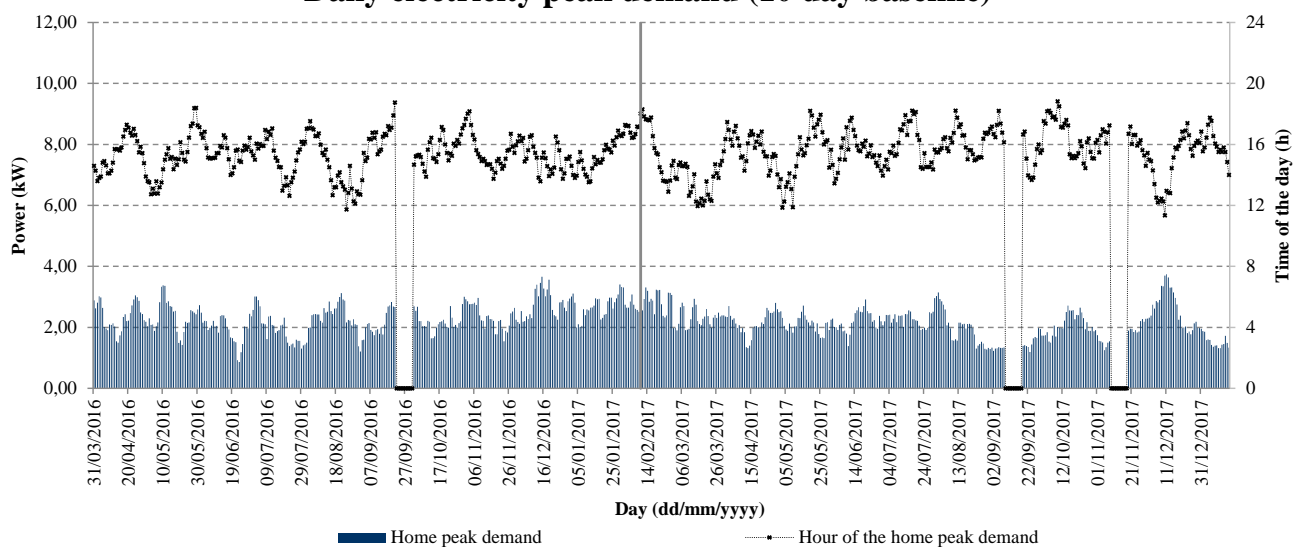
Cumulative electricity consumption



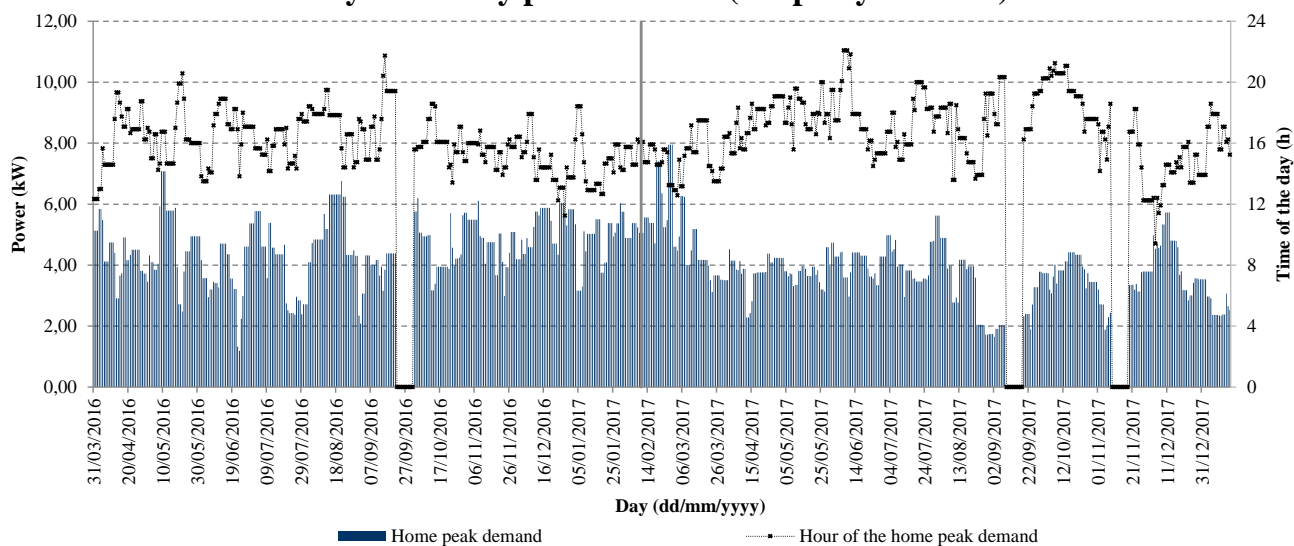
Daily electricity consumption



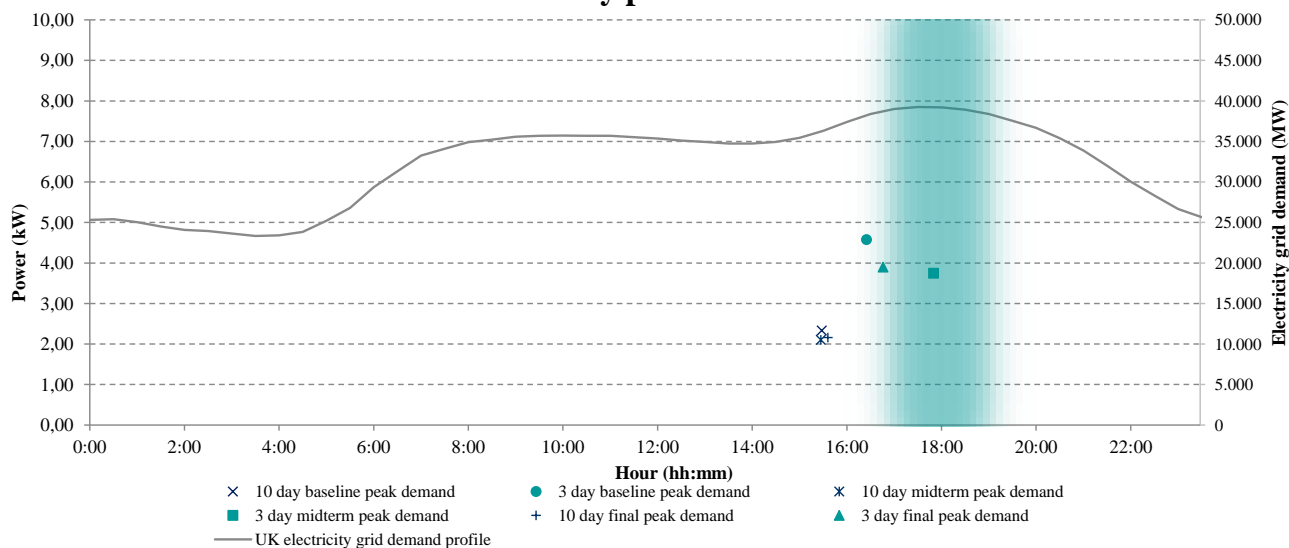
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #043	Dwelling type:	Mid Terrace House
Construction period:	1900-1929	Floor area (m²):	148
Number of storeys:	2	Number of habitable rooms:	5
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	27 F	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E470	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	G370		
Location:	Indoor	Distance aggregator-meter (m):	1

Baseline period

Starting date (dd/mm/yyyy):	18/02/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.506,5		

Electricity

Initial meter reading (kWh):	7.622	Final meter reading (kWh):	11.363
10 day baseline peak demand	Power (kW): 2,49	Time (hh:mm):	14 h 15 min
3 day baseline peak demand	Power (kW): 4,08	Time (hh:mm):	14 h 17 min
Demand at the network peak	Power (kW): 1,17	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.732	Final meter reading (m³):	3.932
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Electricity consumption (kWh):	3.741,0
Gas consumption (kWh):	13.396,6
Total energy consumption (kWh):	17.137,6

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	07/06/2017
Heating Degree Days (°C) :	922,0		

Electricity

Initial meter reading (kWh):	11.363	Final meter reading (kWh):	12.872
10 day baseline peak demand	Power (kW): 2,34	Time (hh:mm):	14 h 38 min
3 day baseline peak demand	Power (kW): 3,83	Time (hh:mm):	14 h 31 min
Demand at the network peak	Power (kW): 1,06	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	3.932	Final meter reading (m³):	4.657
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Electricity consumption (kWh):	1.509,0
Gas consumption (kWh):	8.093,8
Total energy consumption (kWh):	9.602,8

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	18/01/2018
Heating Degree Days (°C) :	1.739,5		

Electricity

Initial meter reading (kWh):	11.363	Final meter reading (kWh):	15.590
10 day baseline peak demand	Power (kW): 2,52	Time (hh:mm):	14 h 18 min
3 day baseline peak demand	Power (kW): 4,04	Time (hh:mm):	13 h 58 min
Demand at the network peak	Power (kW): 1,05	Time (hh:mm):	17 h 0 min to 19h 0 min

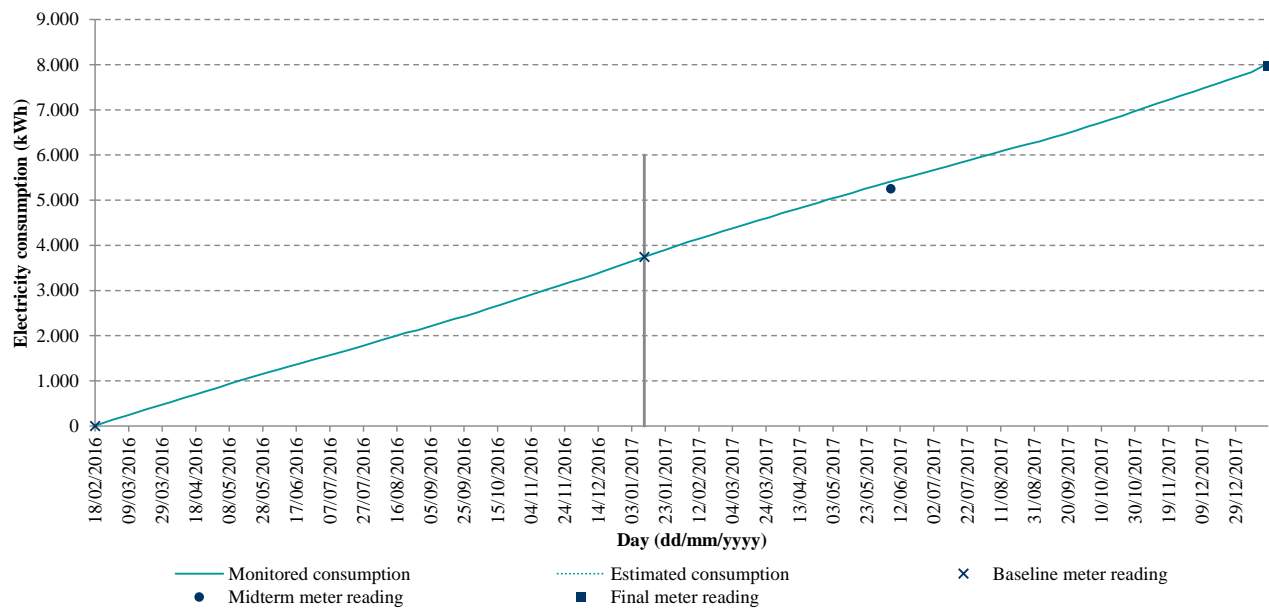
Gas

Initial meter reading (m³):	3.932	Final meter reading (m³):	5.448
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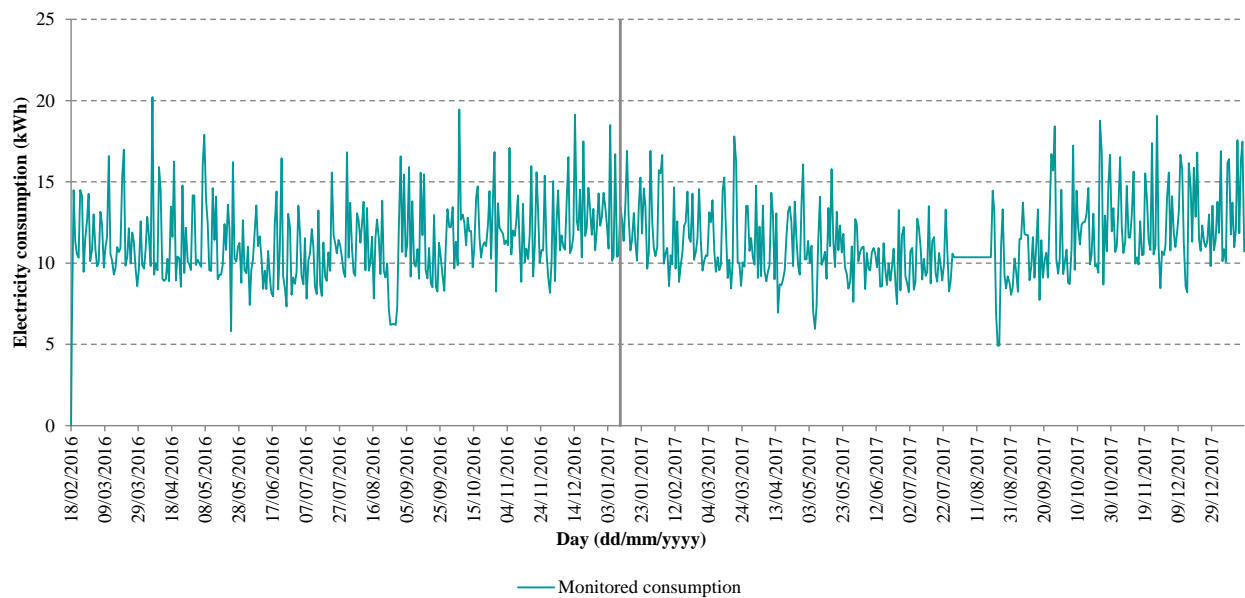
Electricity consumption (kWh):	4.227,0
Gas consumption (kWh):	16.924,0
Total energy consumption (kWh):	21.151,0

Baseline, midterm and final reporting period

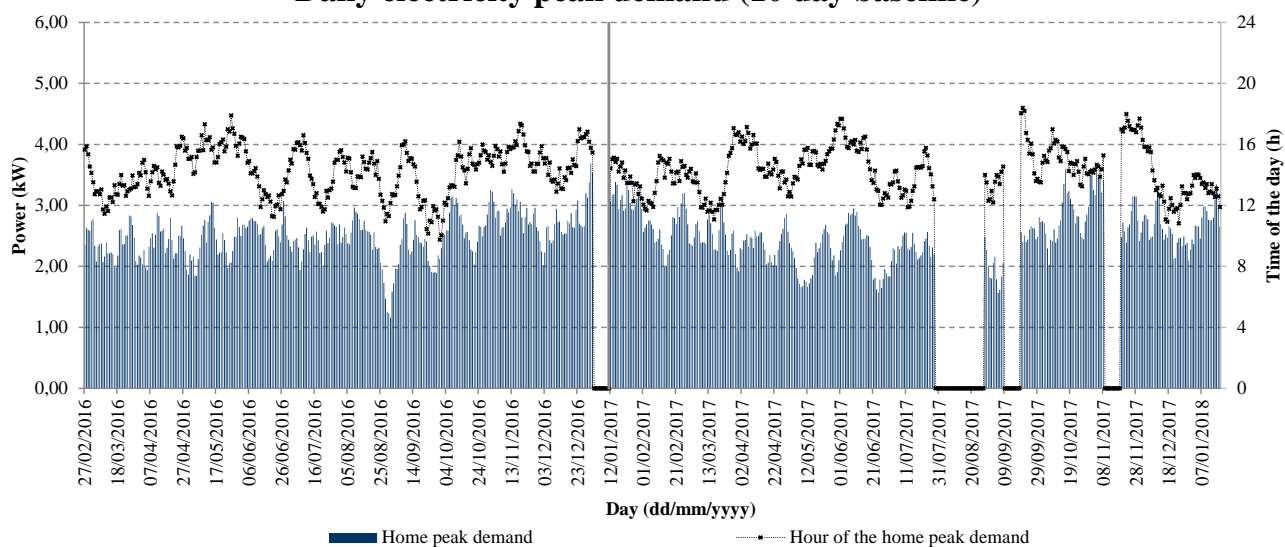
Cumulative electricity consumption



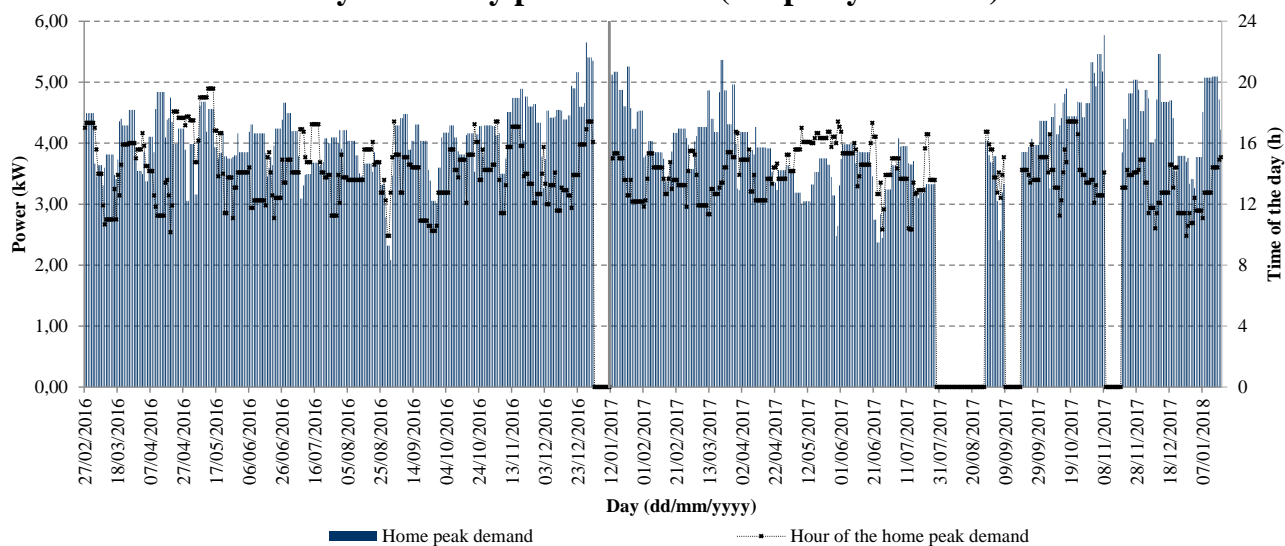
Daily electricity consumption



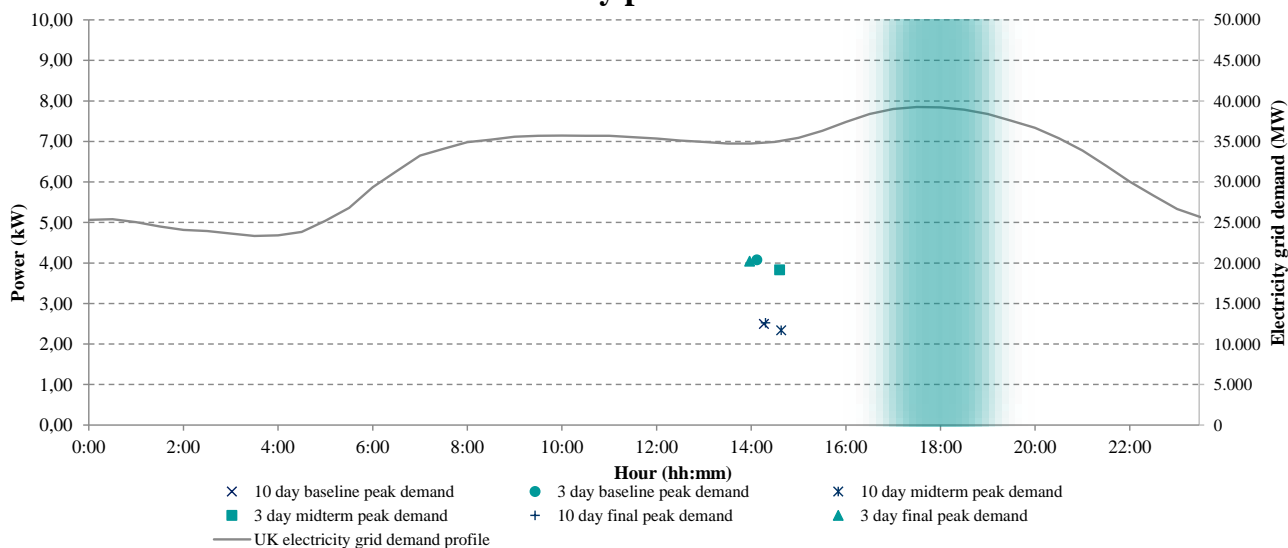
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #044	Dwelling type:	End Terrace House
Construction period:	1967-1975	Floor area (m²):	80
Number of storeys:	2	Number of habitable rooms:	4
Household size:	4	Internet:	Yes

Energy characteristics

SAP:	54 E	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Outdoor	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	G4		
Location:	Outdoor	Distance aggregator-meter (m):	6

Baseline period

Starting date (dd/mm/yyyy):	16/02/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	1.551,5		

Electricity

Initial meter reading (kWh):	37.413	Final meter reading (kWh):	39.469
10 day baseline peak demand	Power (kW): 2,01	Time (hh:mm):	14 h 22 min
3 day baseline peak demand	Power (kW): 3,16	Time (hh:mm):	15 h 54 min
Demand at the network peak	Power (kW): 0,69	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	16.510	Final meter reading (m³):	17.119
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Electricity consumption (kWh):	2.056,0
Gas consumption (kWh):	6.798,8
Total energy consumption (kWh):	8.854,8

Midterm reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	39.469	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 0,94	Time (hh:mm):	14 h 49 min
3 day baseline peak demand	Power (kW): 1,85	Time (hh:mm):	16 h 36 min
Demand at the network peak	Power (kW): 0,26	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	17.119	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	19/01/2018
Heating Degree Days (°C) :	1.735,0		

Electricity

Initial meter reading (kWh):	39.469	Final meter reading (kWh):	317
10 day baseline peak demand	Power (kW): 2,38	Time (hh:mm):	14 h 17 min
3 day baseline peak demand	Power (kW): 3,60	Time (hh:mm):	15 h 4 min
Demand at the network peak	Power (kW): 0,82	Time (hh:mm):	17 h 0 min to 19h 0 min

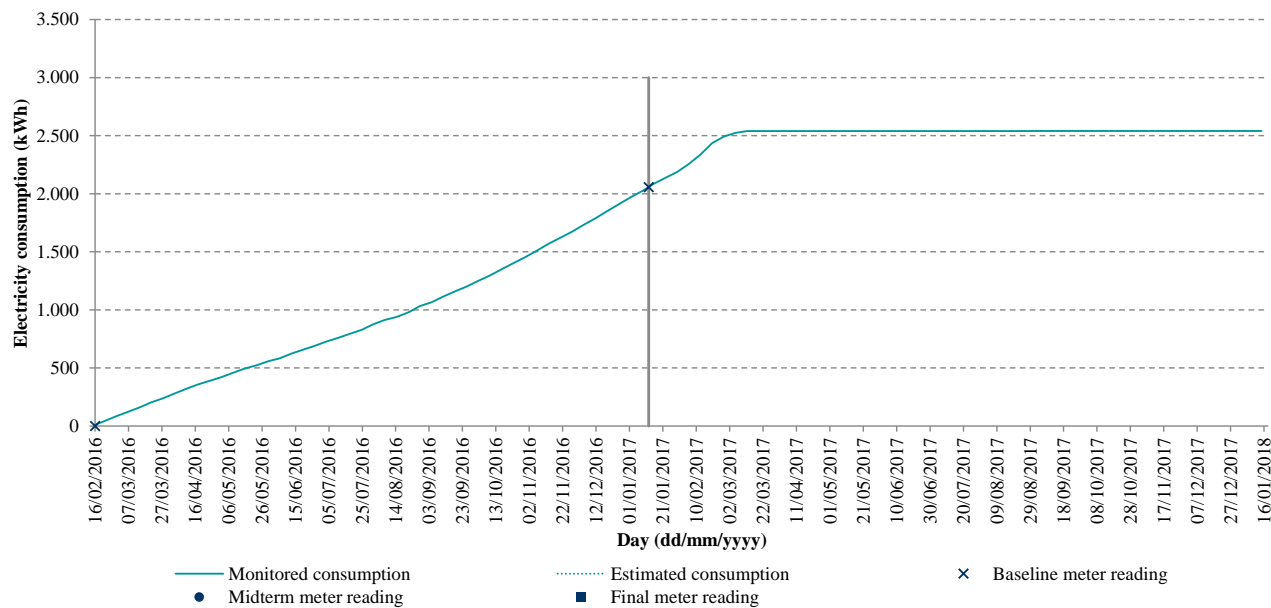
Gas

Initial meter reading (m³):	17.119	Final meter reading (m³):	614
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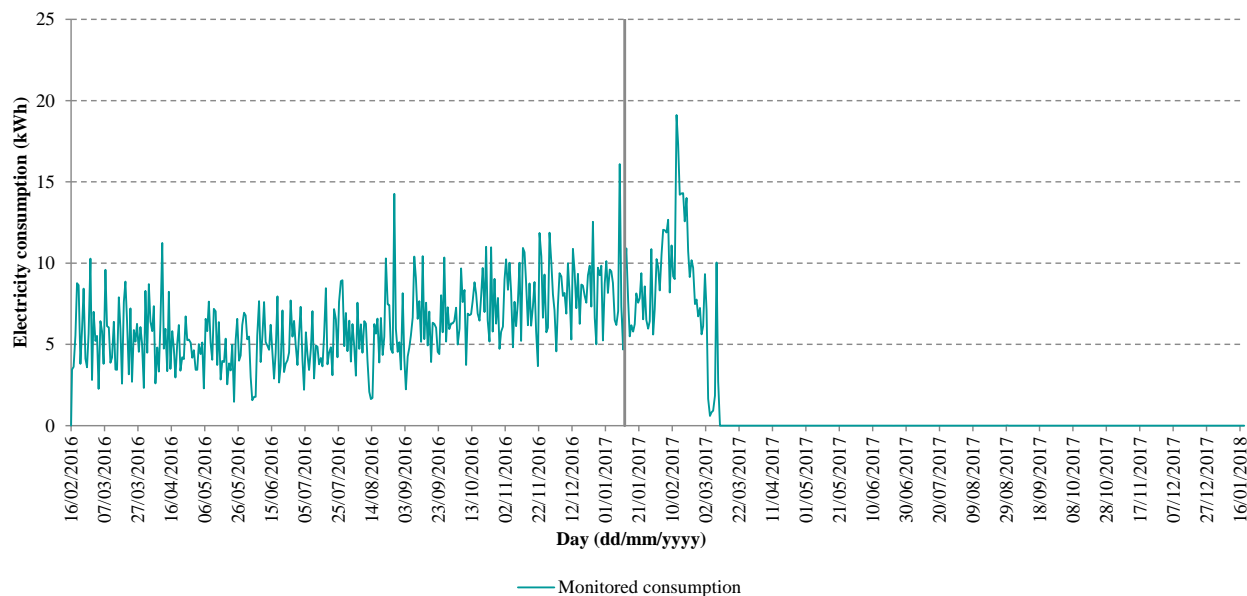
Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Baseline, midterm and final reporting period

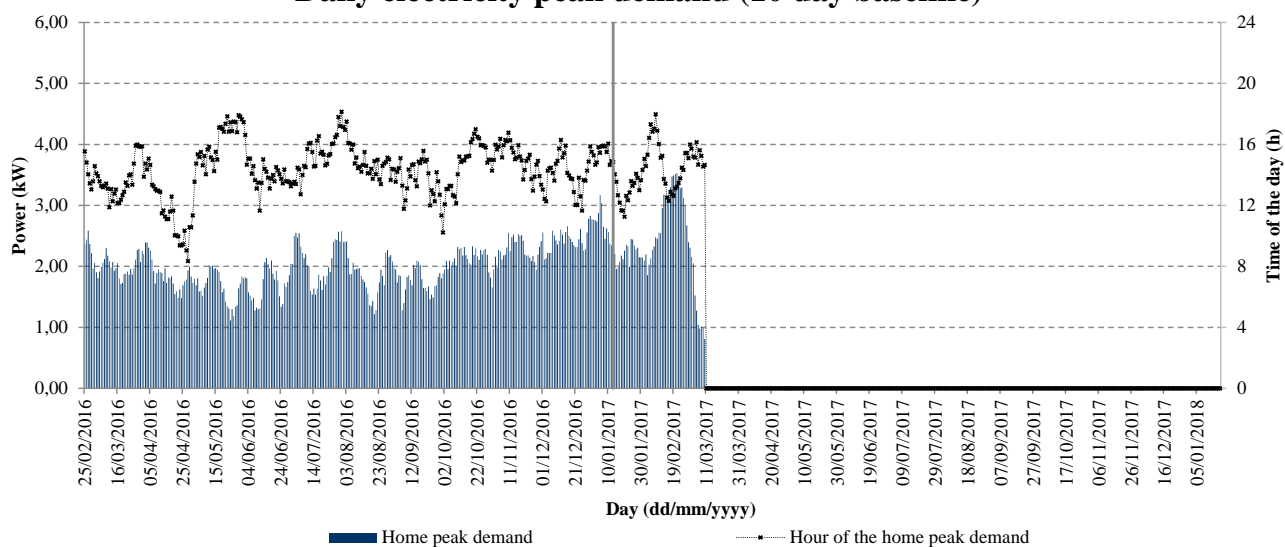
Cumulative electricity consumption



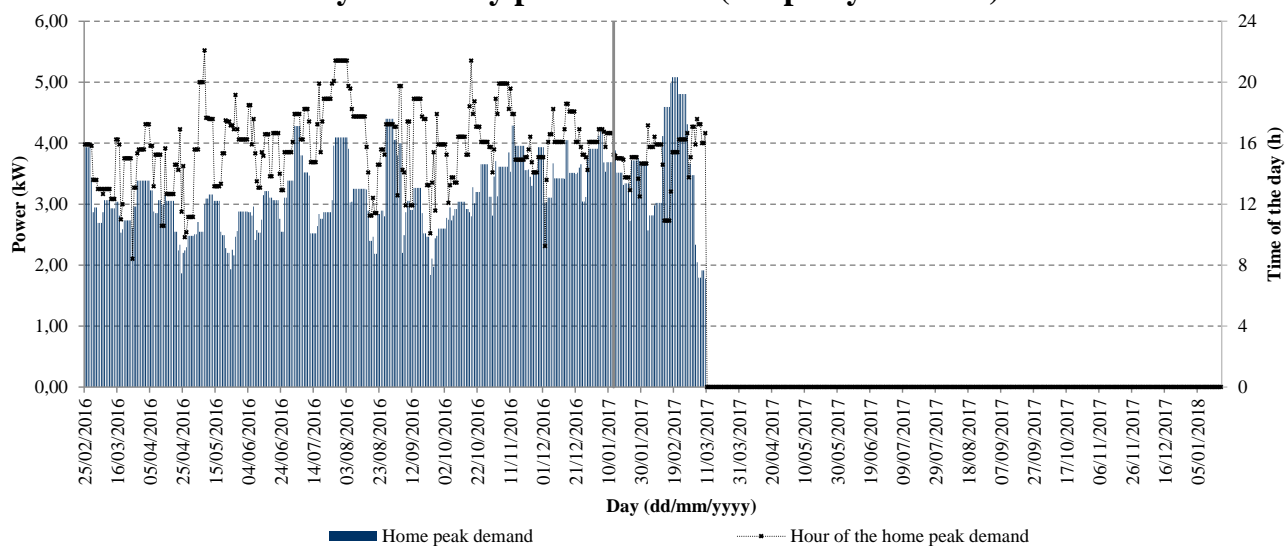
Daily electricity consumption



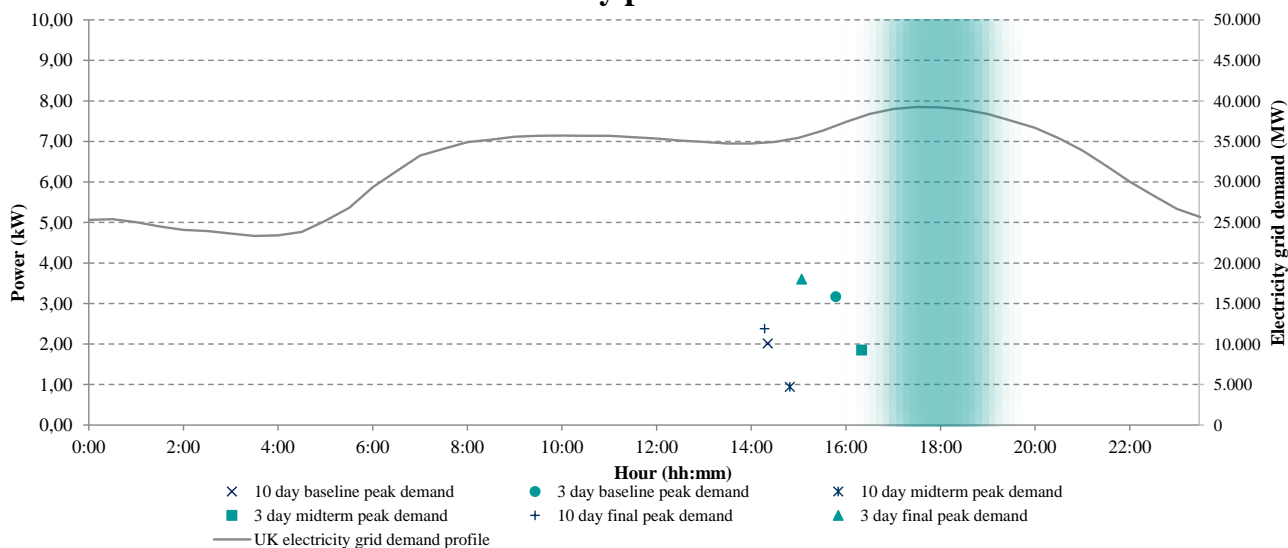
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #045	Dwelling type:	Flat
Construction period:	1983-1990	Floor area (m²):	45
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	No

Energy characteristics

SAP:	63 D	Energy:	Electric only
Main heating fuel:	Electricity	Renewable energy:	Solar hot water

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5235D	Conversion factor (impulses/kWh):	1000
Location:	Outdoor	Distance aggregator-meter (m):	3

Gas infrastructure characteristics

Manufacturer:	-	Type:	-
Model:	-		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	16/02/2016	Final date (dd/mm/yyyy):	18/01/2017
Heating Degree Days (°C) :	1.596,0		

Electricity

Initial meter reading (kWh):	19.324	Final meter reading (kWh):	22.085
10 day baseline peak demand	Power (kW): 3,10	Time (hh:mm):	10 h 33 min
3 day baseline peak demand	Power (kW): 3,94	Time (hh:mm):	10 h 31 min
Demand at the network peak	Power (kW): 1,00	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	2.761,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	2.761,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	14/05/2017
Heating Degree Days (°C) :	811,0		

Electricity

Initial meter reading (kWh):	22.085	Final meter reading (kWh):	23.093
10 day baseline peak demand	Power (kW): 1,76	Time (hh:mm):	13 h 57 min
3 day baseline peak demand	Power (kW): 2,23	Time (hh:mm):	16 h 47 min
Demand at the network peak	Power (kW): 0,89	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.008,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	1.008,0

Final reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	22.085	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 1,75	Time (hh:mm):	14 h 9 min
3 day baseline peak demand	Power (kW): 2,29	Time (hh:mm):	15 h 46 min
Demand at the network peak	Power (kW): 0,60	Time (hh:mm):	17 h 0 min to 19h 0 min

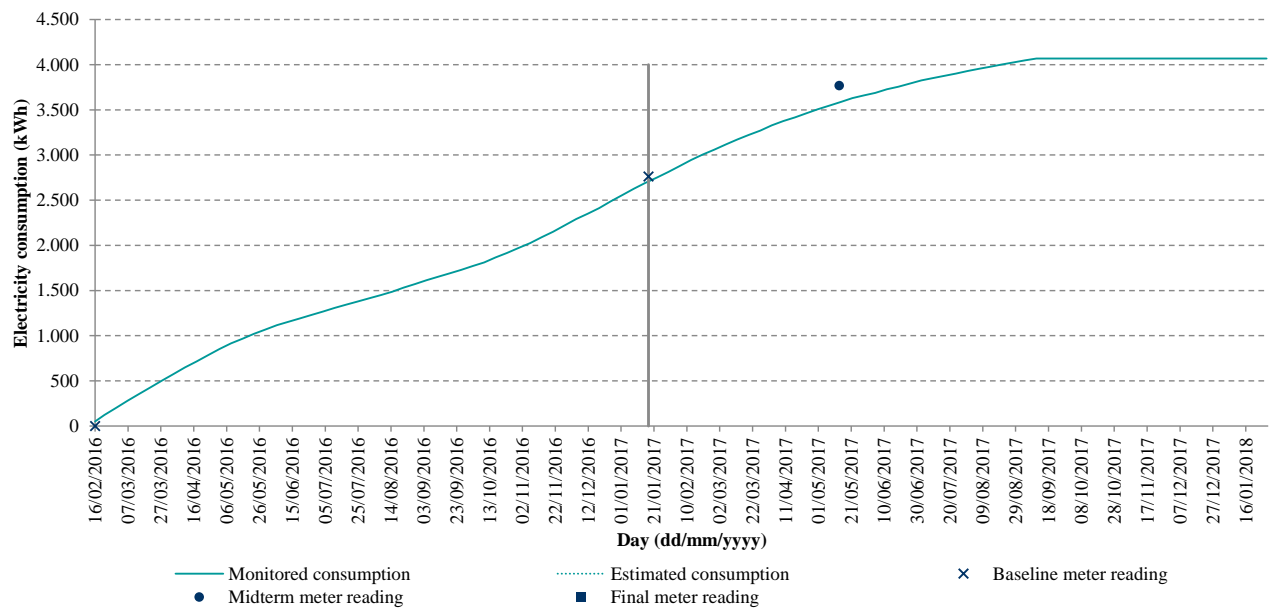
Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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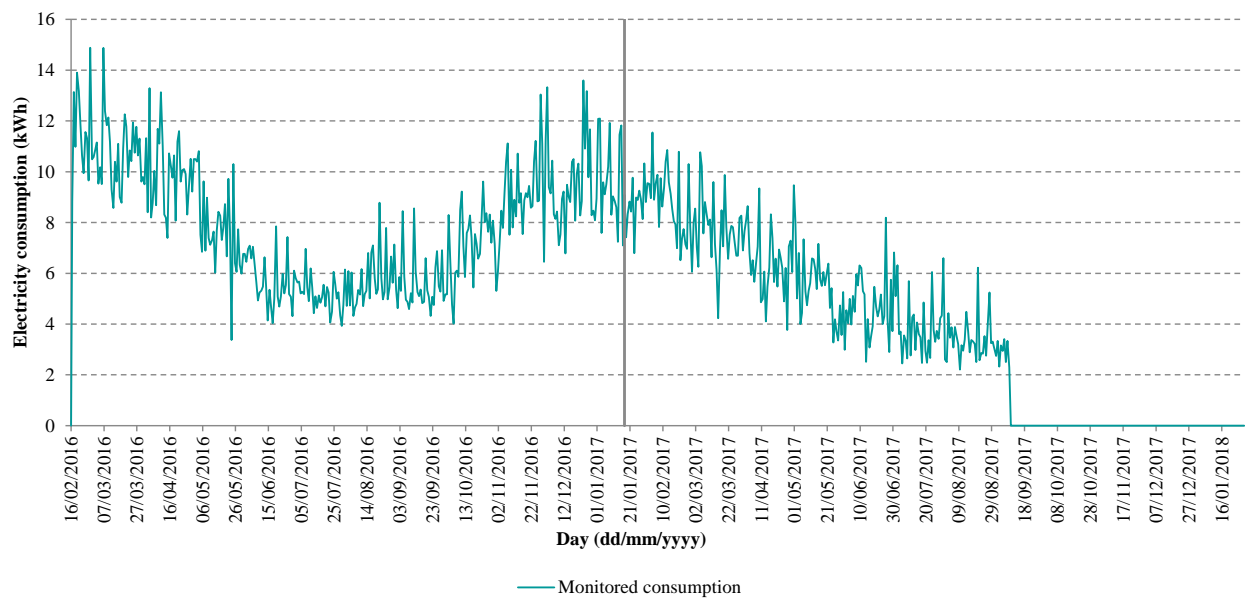
Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Baseline, midterm and final reporting period

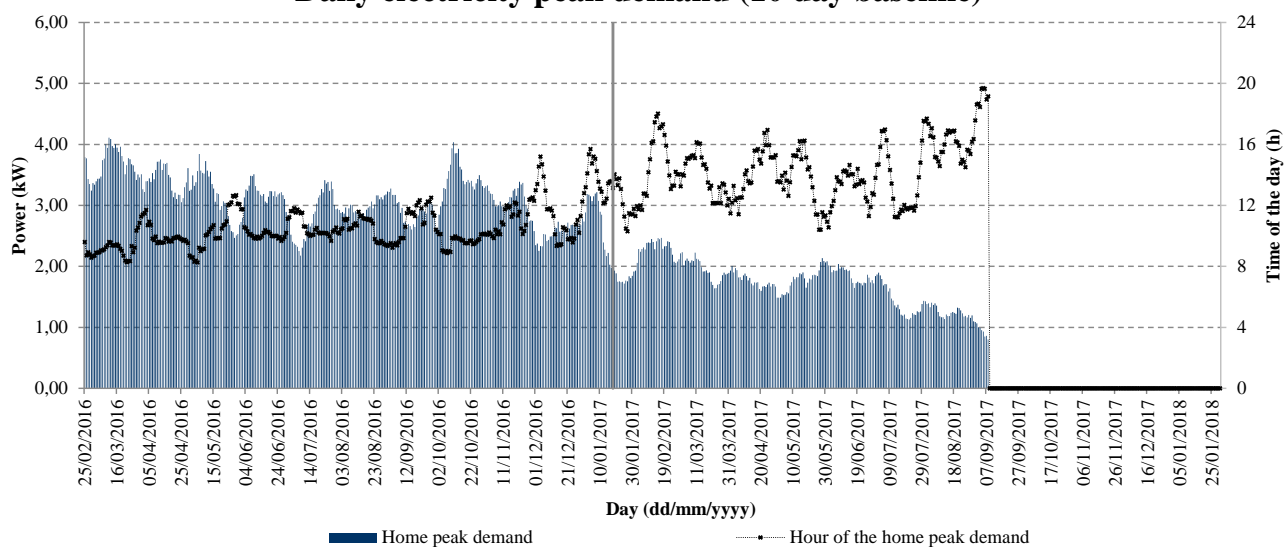
Cumulative electricity consumption



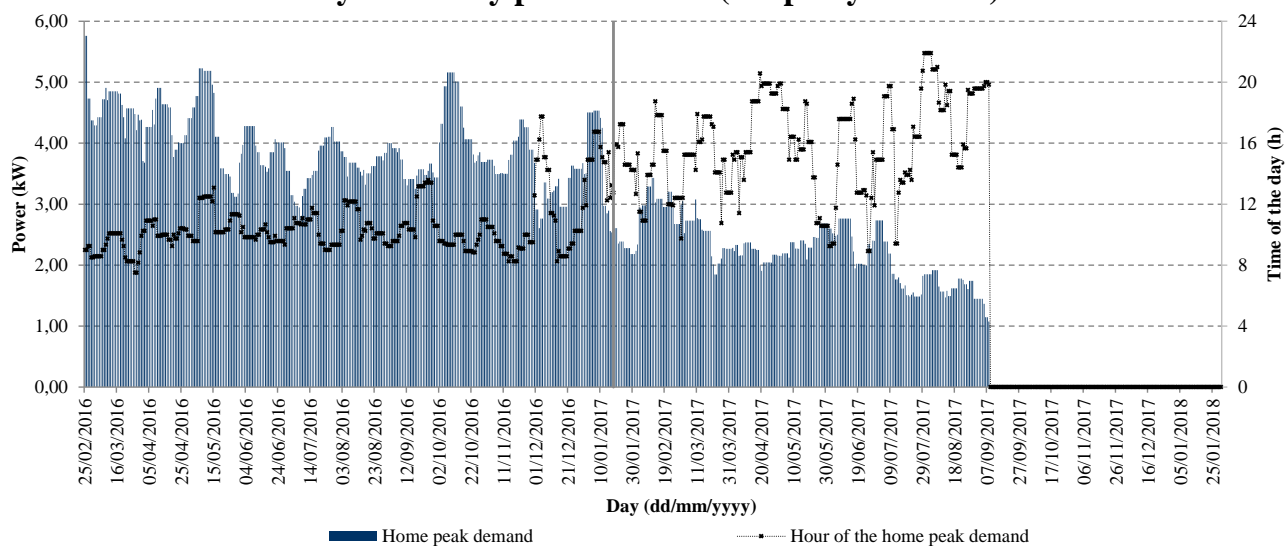
Daily electricity consumption



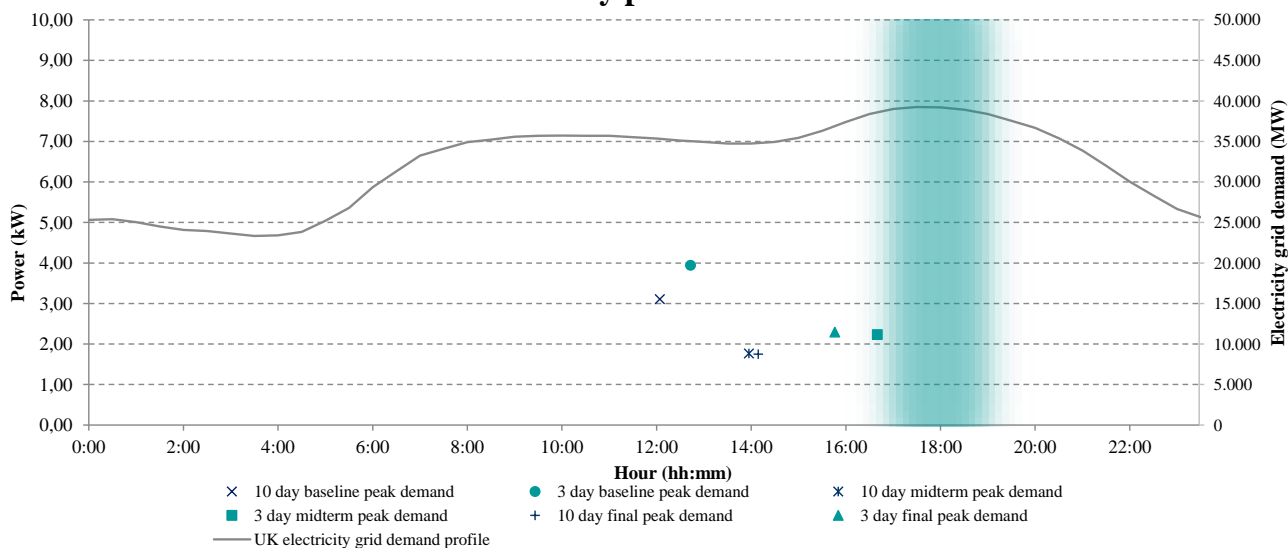
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #046	Dwelling type:	End Terrace House
Construction period:	1967-1975	Floor area (m²):	45
Number of storeys:	2	Number of habitable rooms:	3
Household size:	3	Internet:	Yes

Energy characteristics

SAP:	69 C	Energy:	Gas and Electric
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1.5

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital pre-payment
Model:	G370		
Location:	Outdoor	Distance aggregator-meter (m):	1.5

Baseline period

Starting date (dd/mm/yyyy):	21/03/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C) :	1.237,5		

Electricity

Initial meter reading (kWh):	4.531	Final meter reading (kWh):	7.487
10 day baseline peak demand	Power (kW): 3,12	Time (hh:mm):	16 h 37 min
3 day baseline peak demand	Power (kW): 5,03	Time (hh:mm):	17 h 17 min
Demand at the network peak	Power (kW): 1,13	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.805	Final meter reading (m³):	2.403
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Electricity consumption (kWh):	2.956,0
Gas consumption (kWh):	6.676,0
Total energy consumption (kWh):	9.632,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	10/05/2017
Heating Degree Days (°C) :	805,5		

Electricity

Initial meter reading (kWh):	7.487	Final meter reading (kWh):	8.813
10 day baseline peak demand	Power (kW): 4,20	Time (hh:mm):	18 h 11 min
3 day baseline peak demand	Power (kW): 6,64	Time (hh:mm):	20 h 16 min
Demand at the network peak	Power (kW): 1,52	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.403	Final meter reading (m³):	2.755
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Electricity consumption (kWh):	1.326,0
Gas consumption (kWh):	3.929,7
Total energy consumption (kWh):	5.255,7

Final reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	22/01/2018
Heating Degree Days (°C) :	1.718,5		

Electricity

Initial meter reading (kWh):	7.487	Final meter reading (kWh):	11.894
10 day baseline peak demand	Power (kW): 3,87	Time (hh:mm):	17 h 47 min
3 day baseline peak demand	Power (kW): 6,12	Time (hh:mm):	18 h 15 min
Demand at the network peak	Power (kW): 0,86	Time (hh:mm):	17 h 0 min to 19h 0 min

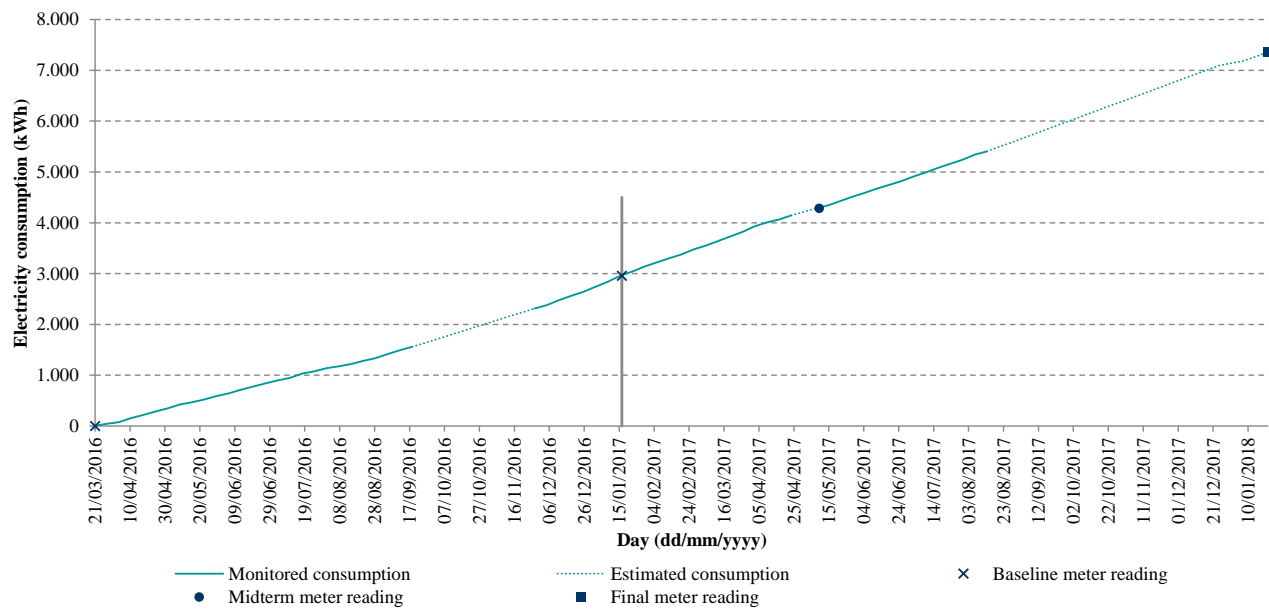
Gas

Initial meter reading (m³):	2.403	Final meter reading (m³):	3.295
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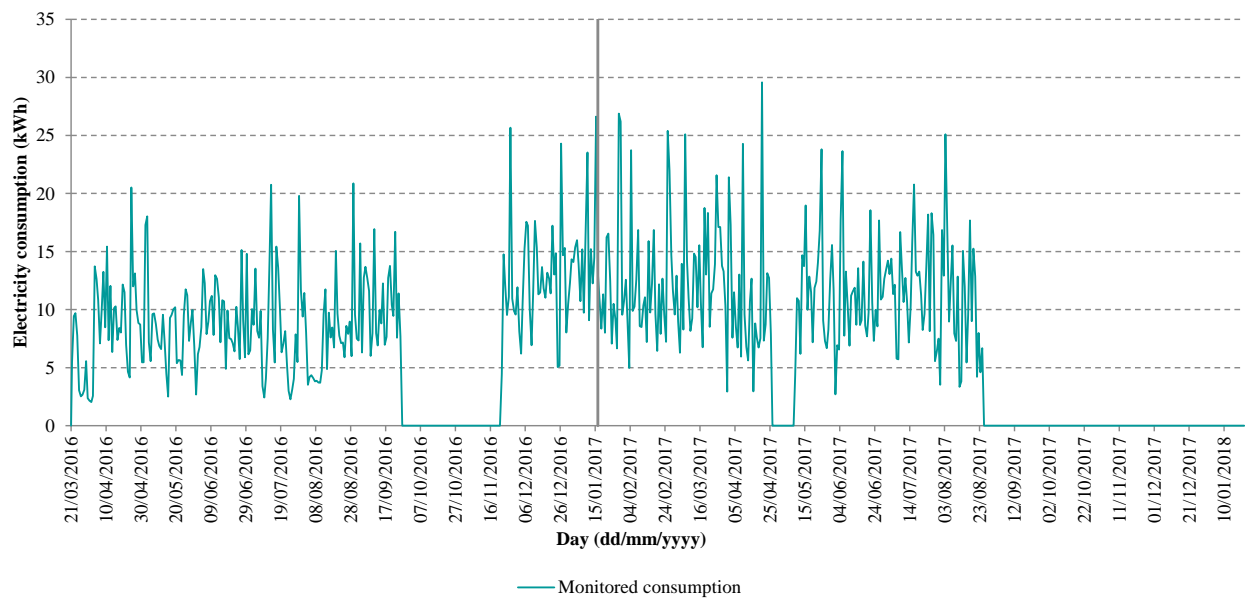
Electricity consumption (kWh):	4.407,0
Gas consumption (kWh):	9.952,9
Total energy consumption (kWh):	14.359,9

Baseline, midterm and final reporting period

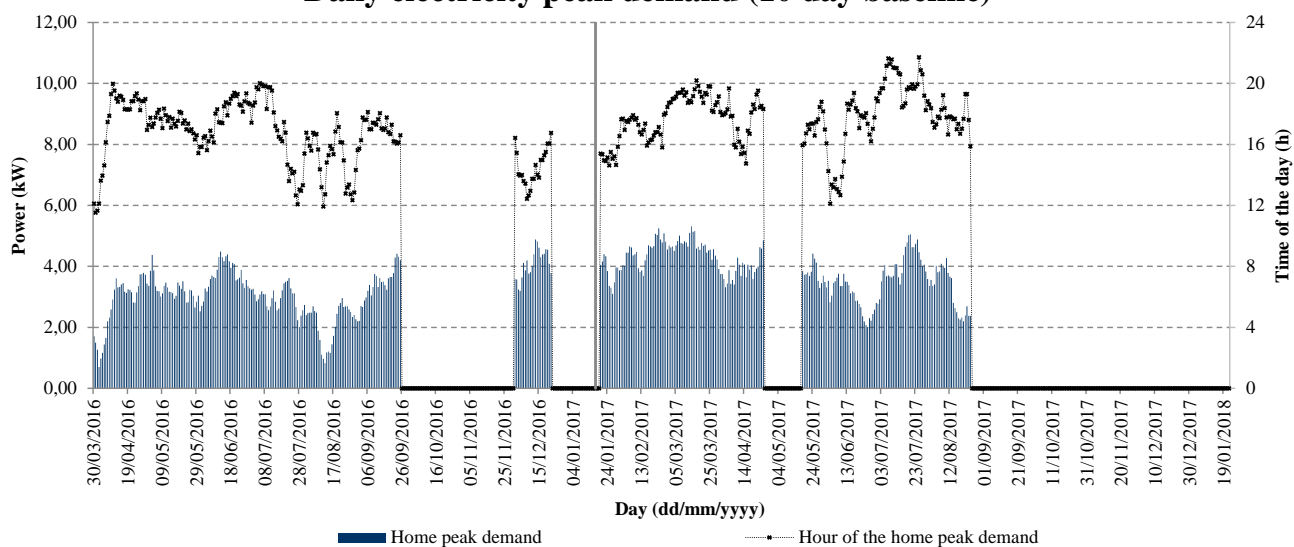
Cumulative electricity consumption



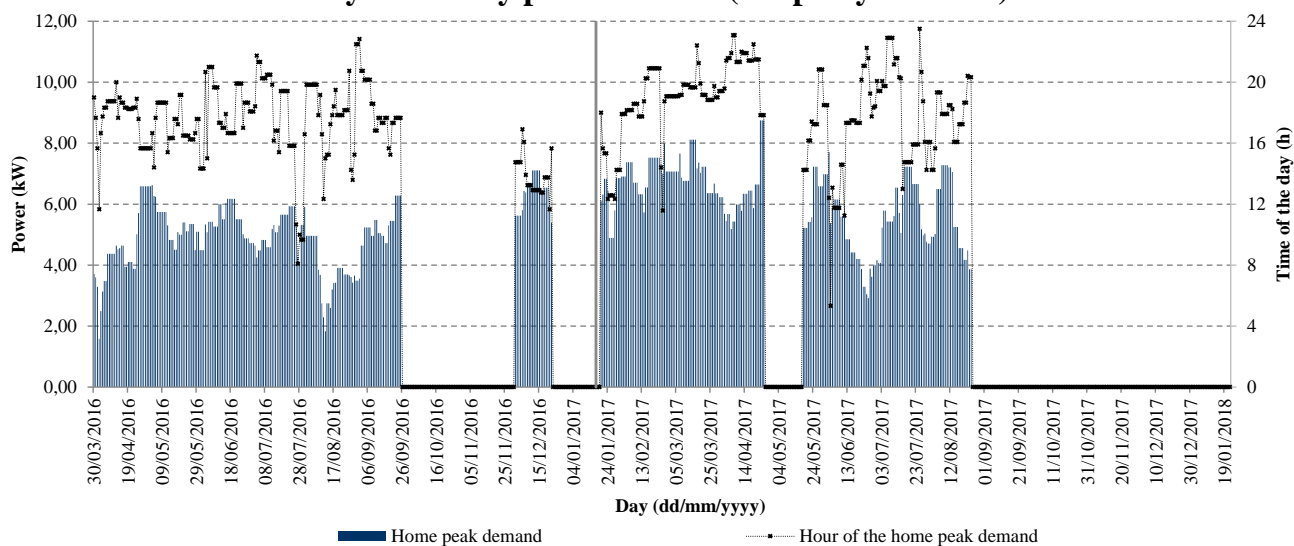
Daily electricity consumption



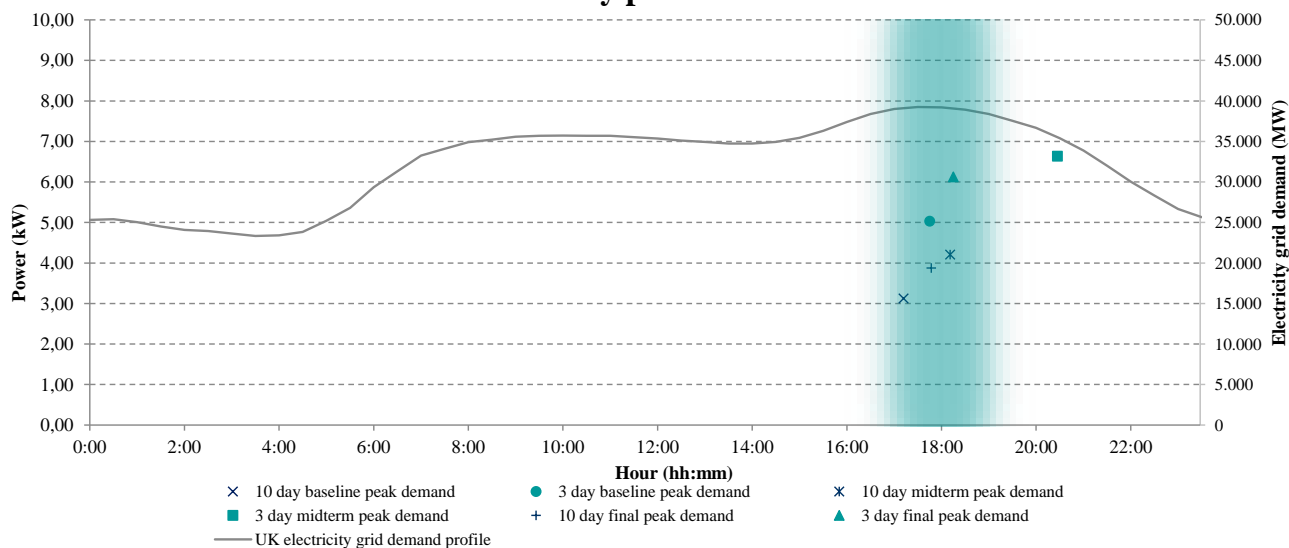
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #047	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	69
Number of storeys:	2	Number of habitable rooms:	4
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	83 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E470	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	0.5

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	G4		
Location:	Indoor	Distance aggregator-meter (m):	1

Baseline period

Starting date (dd/mm/yyyy):	16/02/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.529,5		

Electricity

Initial meter reading (kWh):	11.204	Final meter reading (kWh):	13.678
10 day baseline peak demand	Power (kW): 5,55	Time (hh:mm):	15 h 44 min
3 day baseline peak demand	Power (kW): 7,82	Time (hh:mm):	14 h 46 min
Demand at the network peak	Power (kW): 0,12	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.381	Final meter reading (m³):	1.583
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Electricity consumption (kWh):	2.474,0
Gas consumption (kWh):	2.255,1
Total energy consumption (kWh):	4.729,1

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	14/05/2017
Heating Degree Days (°C) :	872,5		

Electricity

Initial meter reading (kWh):	13.678	Final meter reading (kWh):	14.911
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.583	Final meter reading (m³):	1.673
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Electricity consumption (kWh):	1.233,0
Gas consumption (kWh):	1.004,7
Total energy consumption (kWh):	2.237,7

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	26/01/2018
Heating Degree Days (°C) :	1.799,5		

Electricity

Initial meter reading (kWh):	13.678	Final meter reading (kWh):	17.769
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

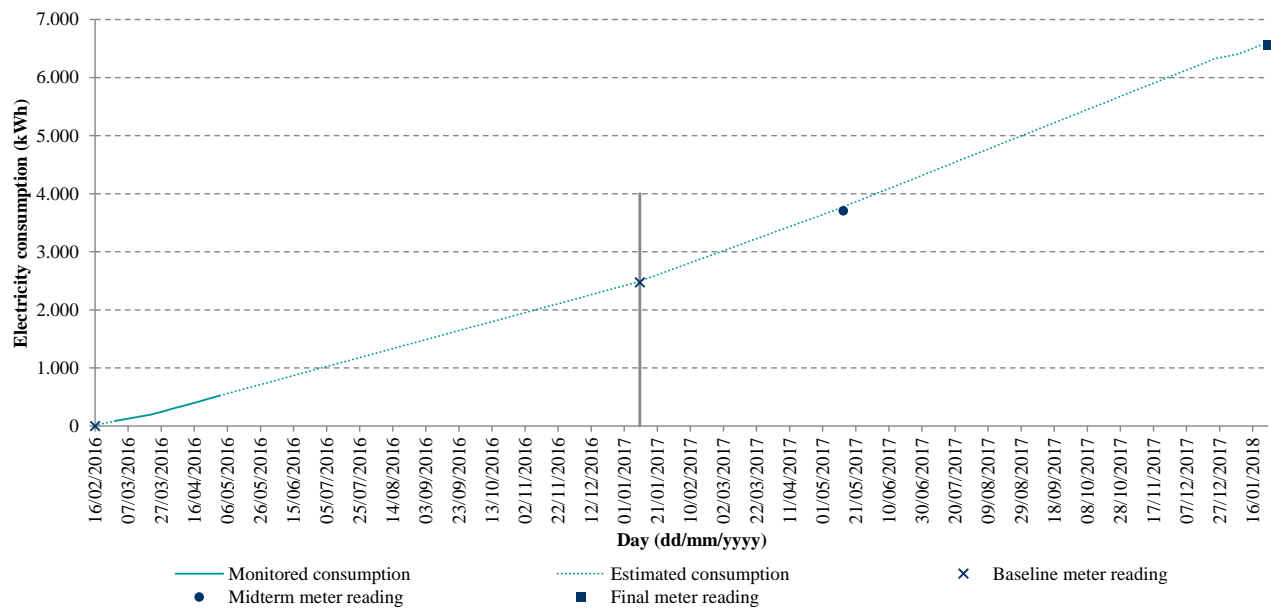
Gas

Initial meter reading (m³):	1.583	Final meter reading (m³):	1.811
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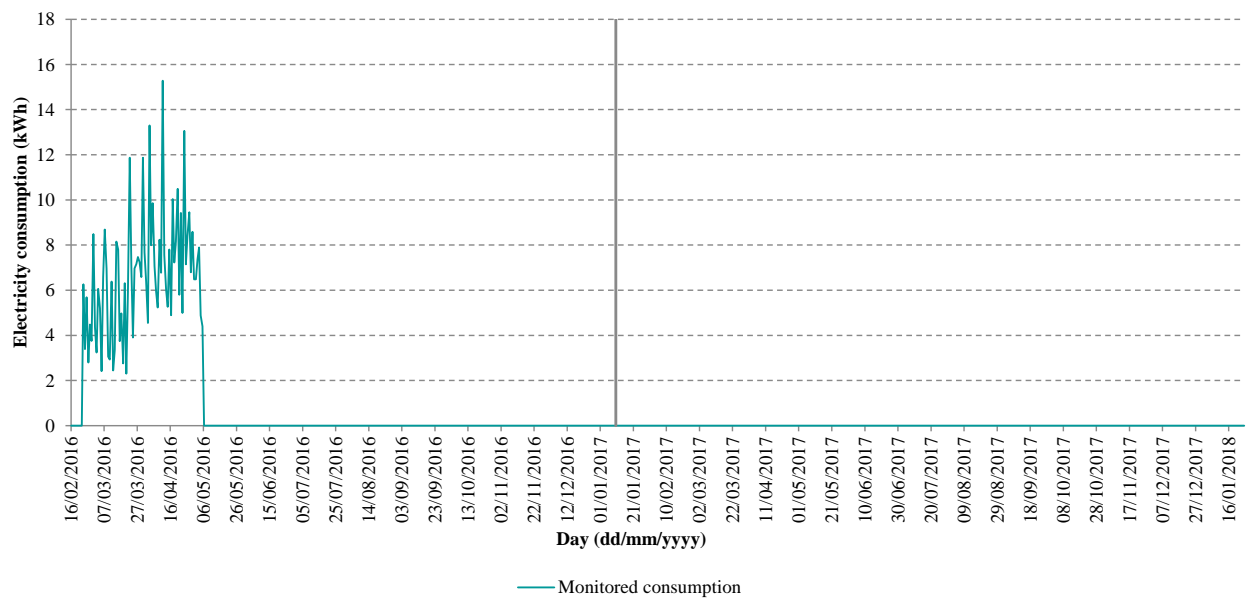
Electricity consumption (kWh):	4.091,0
Gas consumption (kWh):	2.542,4
Total energy consumption (kWh):	6.633,4

Baseline, midterm and final reporting period

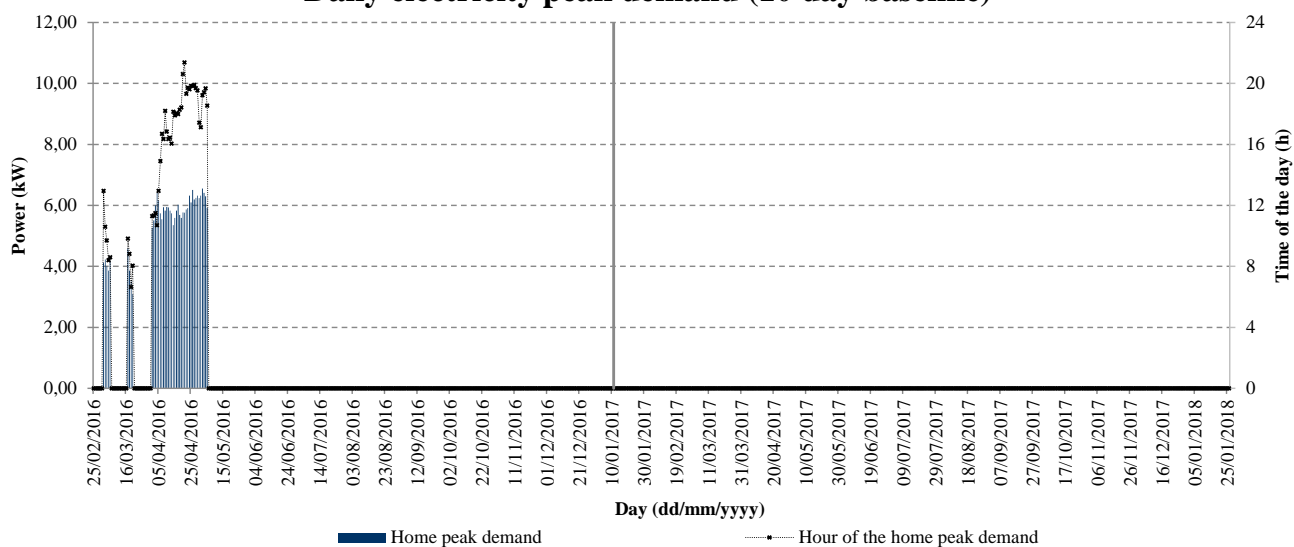
Cumulative electricity consumption



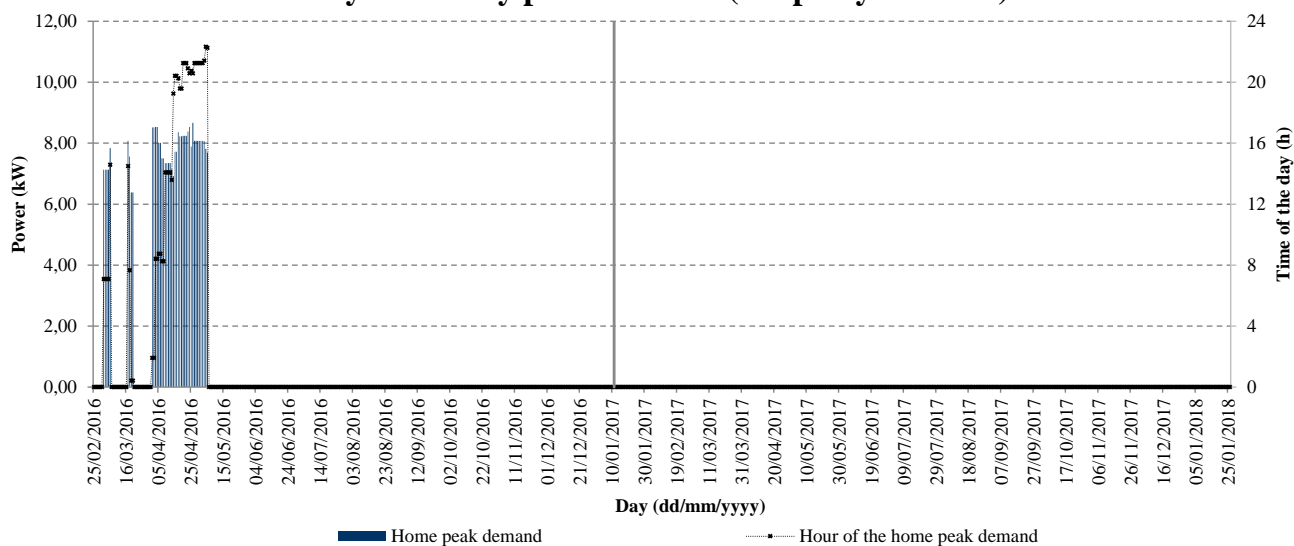
Daily electricity consumption



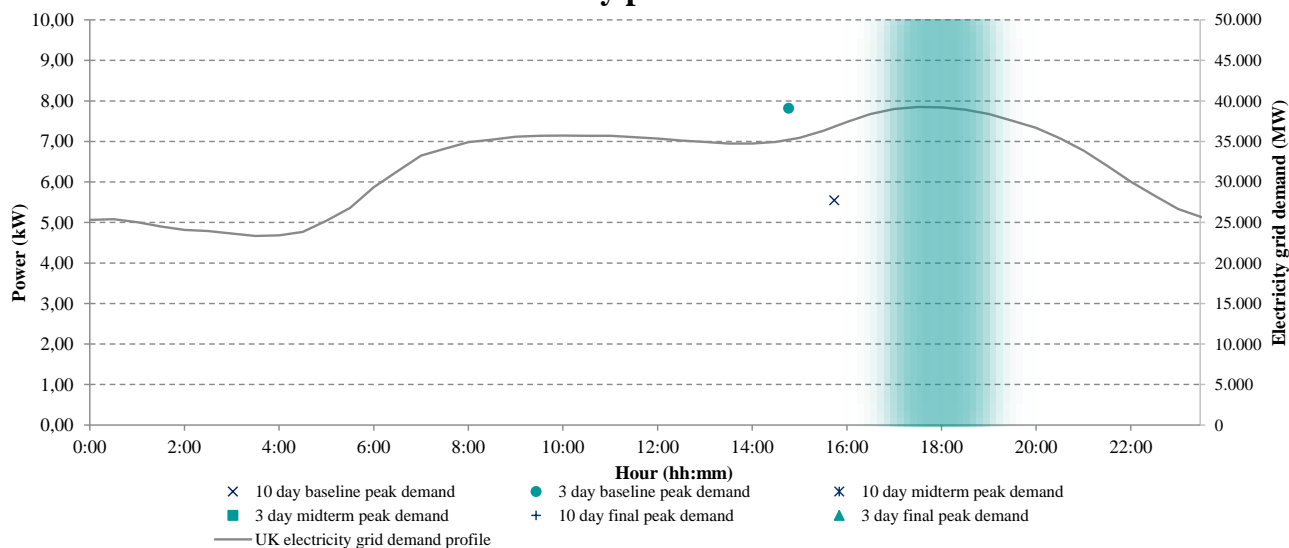
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #048	Dwelling type:	End Terrace House
Construction period:	2007+	Floor area (m²):	69
Number of storeys:	2	Number of habitable rooms:	4
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	82 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E470	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	0.5

Gas infrastructure characteristics

Manufacturer:	Krom/Schroder	Type:	Analogue
Model:	G4		
Location:	Indoor	Distance aggregator-meter (m):	2

Baseline period

Starting date (dd/mm/yyyy):	19/02/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1495		

Electricity

Initial meter reading (kWh):	5.861	Final meter reading (kWh):	7.058
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	974	Final meter reading (m³):	1.210
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Electricity consumption (kWh):	1.197,0
Gas consumption (kWh):	2.634,7
Total energy consumption (kWh):	3.831,7

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	18/05/2017
Heating Degree Days (°C) :	887,5		

Electricity

Initial meter reading (kWh):	7.058	Final meter reading (kWh):	7.552
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.210	Final meter reading (m³):	1.347
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Electricity consumption (kWh):	494,0
Gas consumption (kWh):	1.529,4
Total energy consumption (kWh):	2.023,4

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	16/01/2018
Heating Degree Days (°C) :	1720,5		

Electricity

Initial meter reading (kWh):	7.058	Final meter reading (kWh):	8.329
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

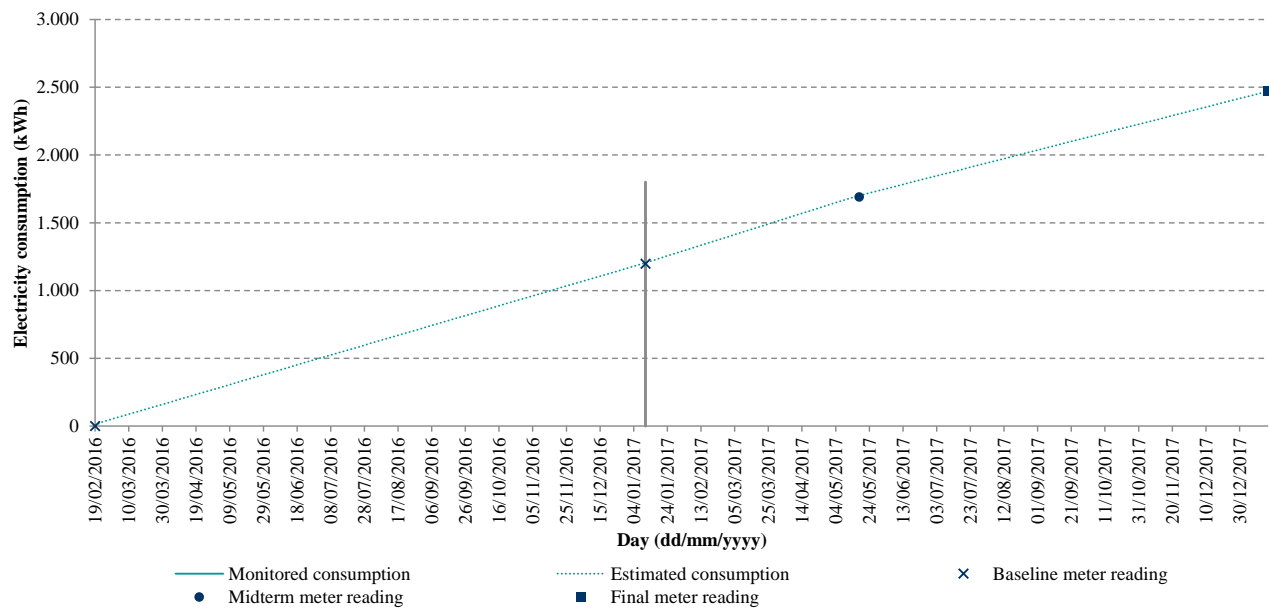
Gas

Initial meter reading (m³):	1.210	Final meter reading (m³):	1.459
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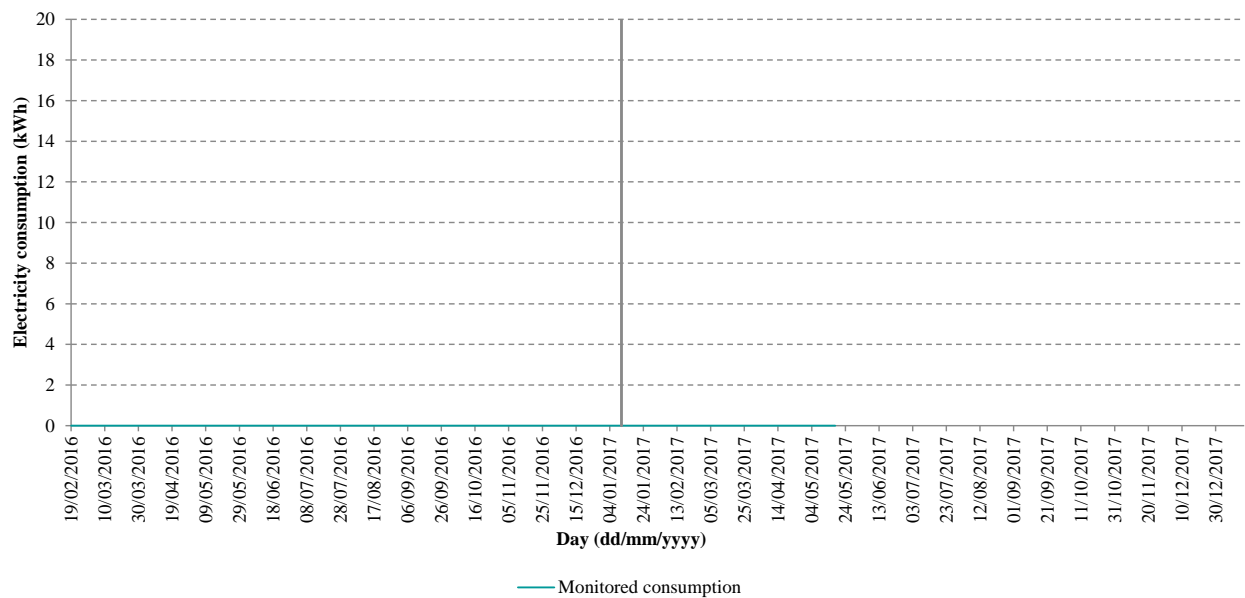
Electricity consumption (kWh):	1.271,0
Gas consumption (kWh):	2.776,6
Total energy consumption (kWh):	4.047,6

Baseline, midterm and final reporting period

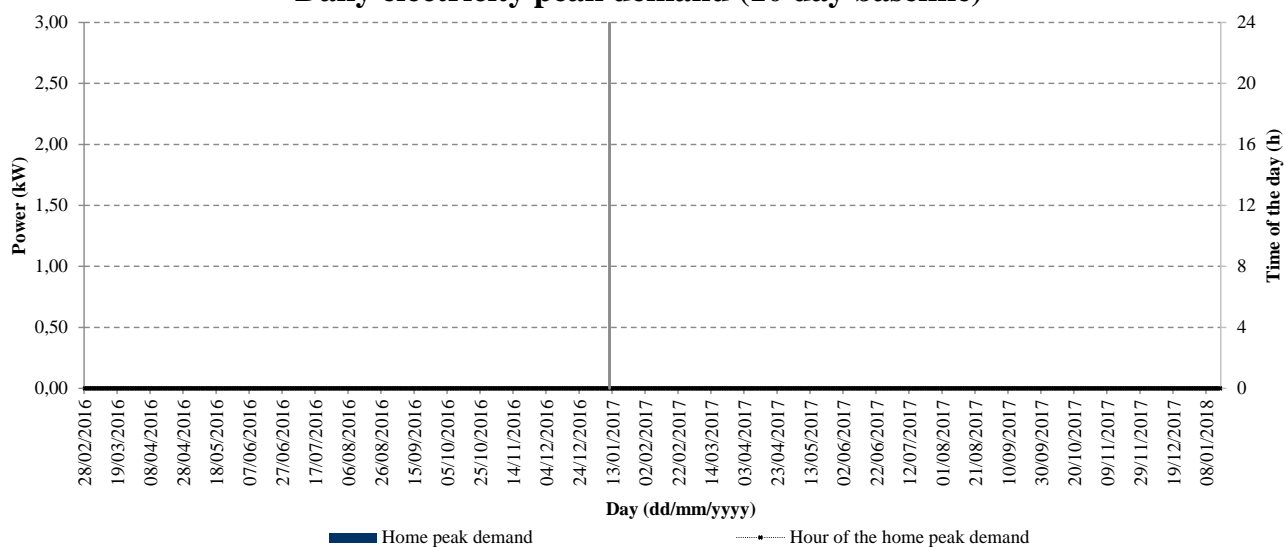
Cumulative electricity consumption



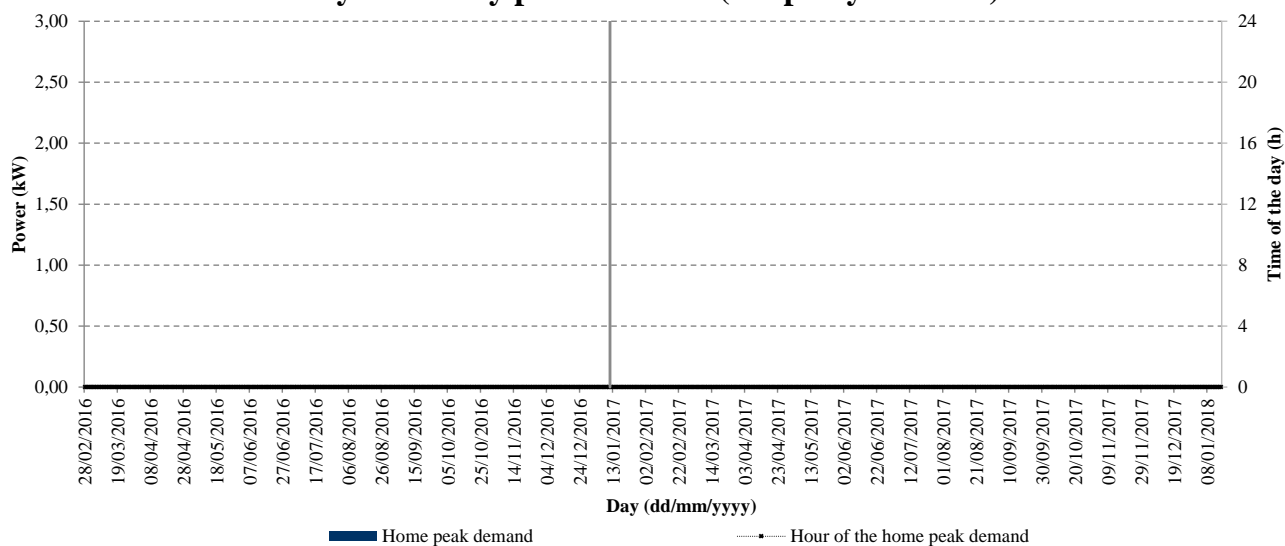
Daily electricity consumption



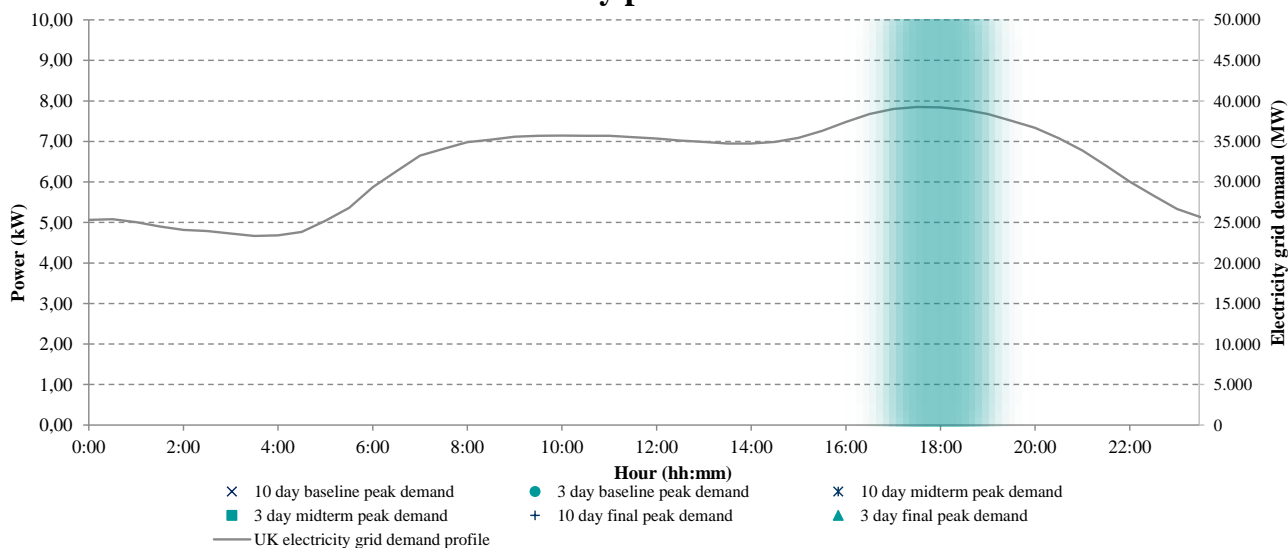
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #049	Dwelling type:	Flat
Construction period:	2003-2006	Floor area (m²):	46
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	84 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Actaris	Type:	Digital
Model:	ACE1000	Conversion factor (impulses/kWh):	800
Location:	Indoor	Distance aggregator-meter (m):	2

Gas infrastructure characteristics

Manufacturer:	Cubix	Type:	Analogue
Model:	U6		
Location:	Outdoor	Distance aggregator-meter (m):	2

Baseline period

Starting date (dd/mm/yyyy):	21/03/2016	Final date (dd/mm/yyyy):	18/01/2017
Heating Degree Days (°C) :	1248		

Electricity

Initial meter reading (kWh):	16.742	Final meter reading (kWh):	18.157
10 day baseline peak demand	Power (kW): 1,20	Time (hh:mm):	18 h 21 min
3 day baseline peak demand	Power (kW): 1,81	Time (hh:mm):	19 h 31 min
Demand at the network peak	Power (kW): 0,57	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	3.735	Final meter reading (m³):	3.999
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Electricity consumption (kWh):	1.415,0
Gas consumption (kWh):	2.947,2
Total energy consumption (kWh):	4.362,2

Midterm reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	04/06/2017
Heating Degree Days (°C) :	852		

Electricity

Initial meter reading (kWh):	18.157	Final meter reading (kWh):	18.818
10 day baseline peak demand	Power (kW): 1,01	Time (hh:mm):	18 h 12 min
3 day baseline peak demand	Power (kW): 1,62	Time (hh:mm):	19 h 47 min
Demand at the network peak	Power (kW): 0,43	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	3.999	Final meter reading (m³):	4.159
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Electricity consumption (kWh):	661,0
Gas consumption (kWh):	1.786,2
Total energy consumption (kWh):	2.447,2

Final reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	15/01/2018
Heating Degree Days (°C) :	1648,5		

Electricity

Initial meter reading (kWh):	18.157	Final meter reading (kWh):	20.060
10 day baseline peak demand	Power (kW): 1,14	Time (hh:mm):	17 h 54 min
3 day baseline peak demand	Power (kW): 1,79	Time (hh:mm):	19 h 21 min
Demand at the network peak	Power (kW): 0,51	Time (hh:mm):	17 h 0 min to 19h 0 min

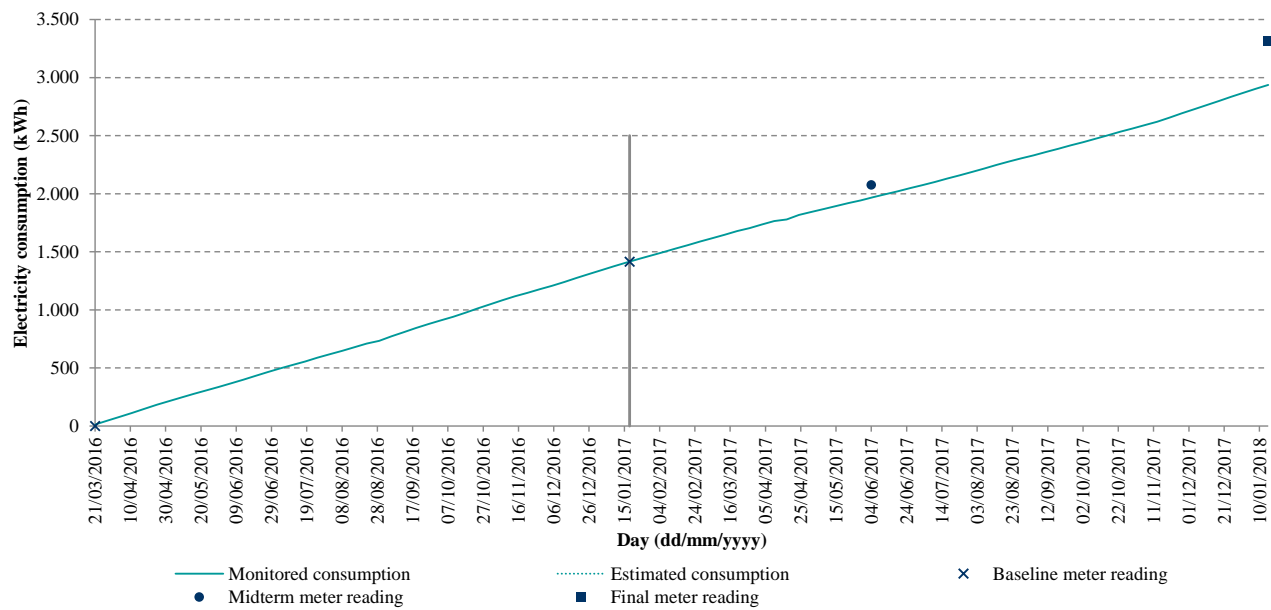
Gas

Initial meter reading (m³):	3.999	Final meter reading (m³):	-
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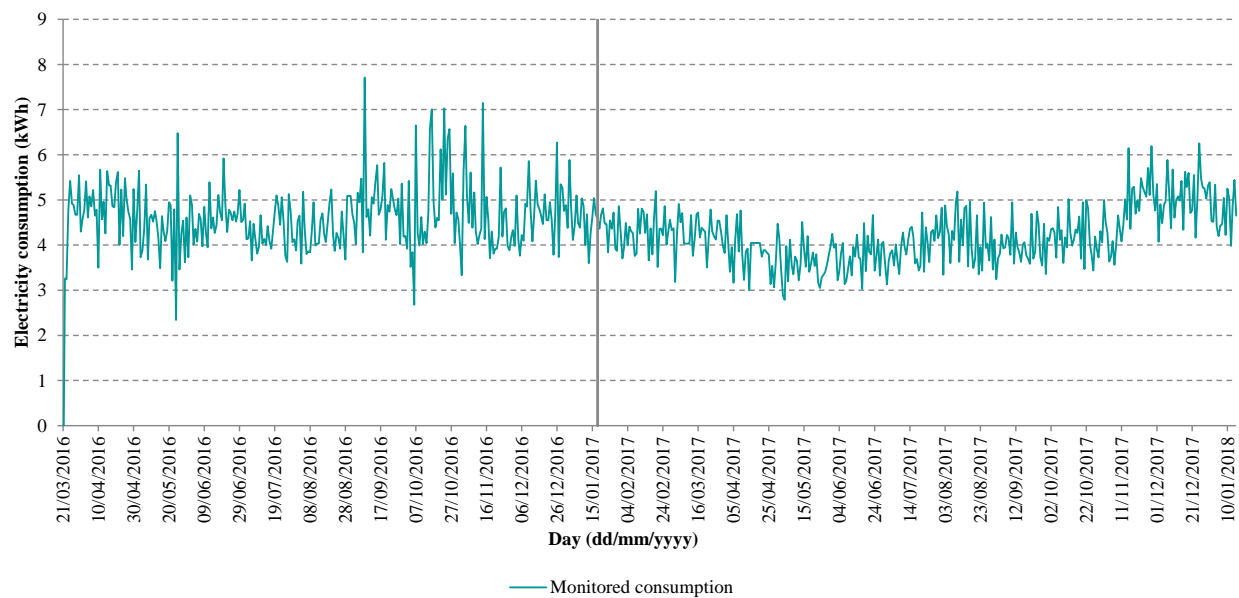
Electricity consumption (kWh):	1.903,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	1.903,0

Baseline, midterm and final reporting period

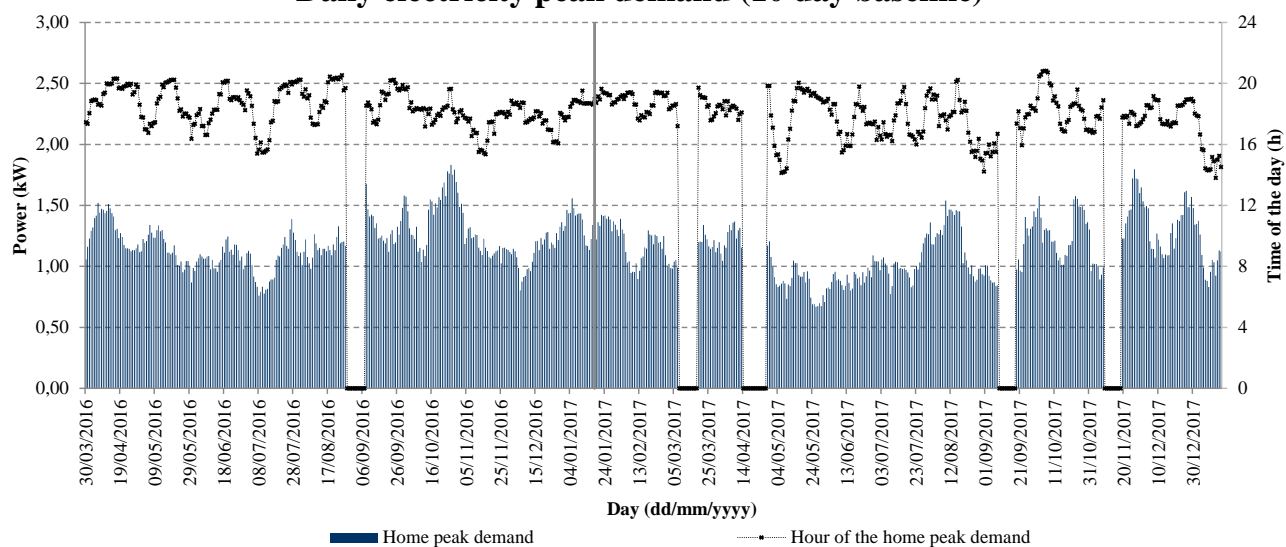
Cumulative electricity consumption



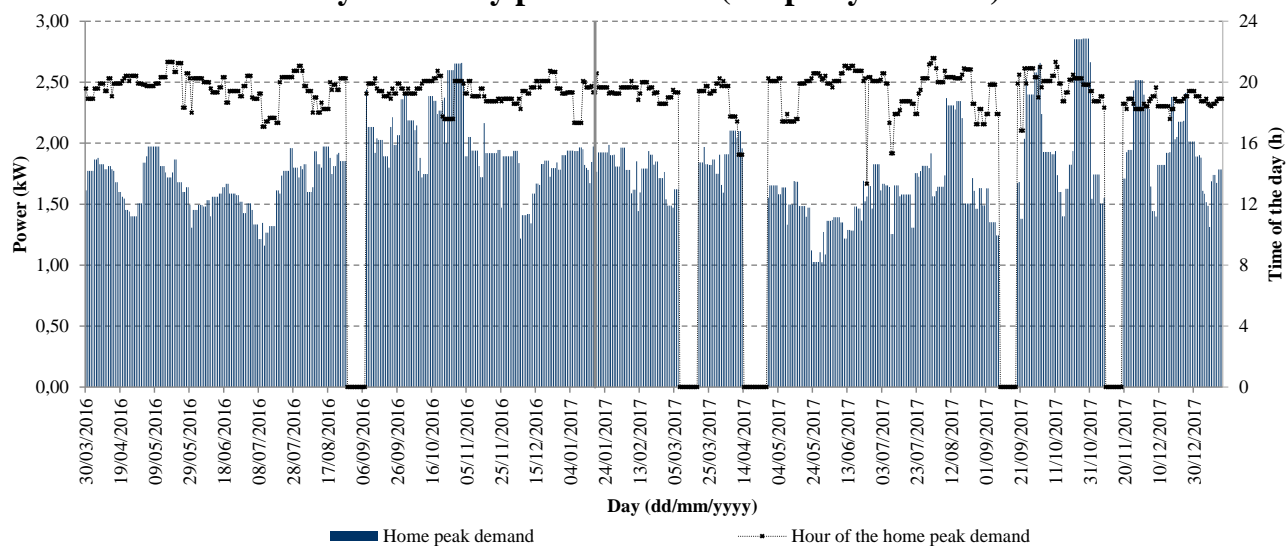
Daily electricity consumption



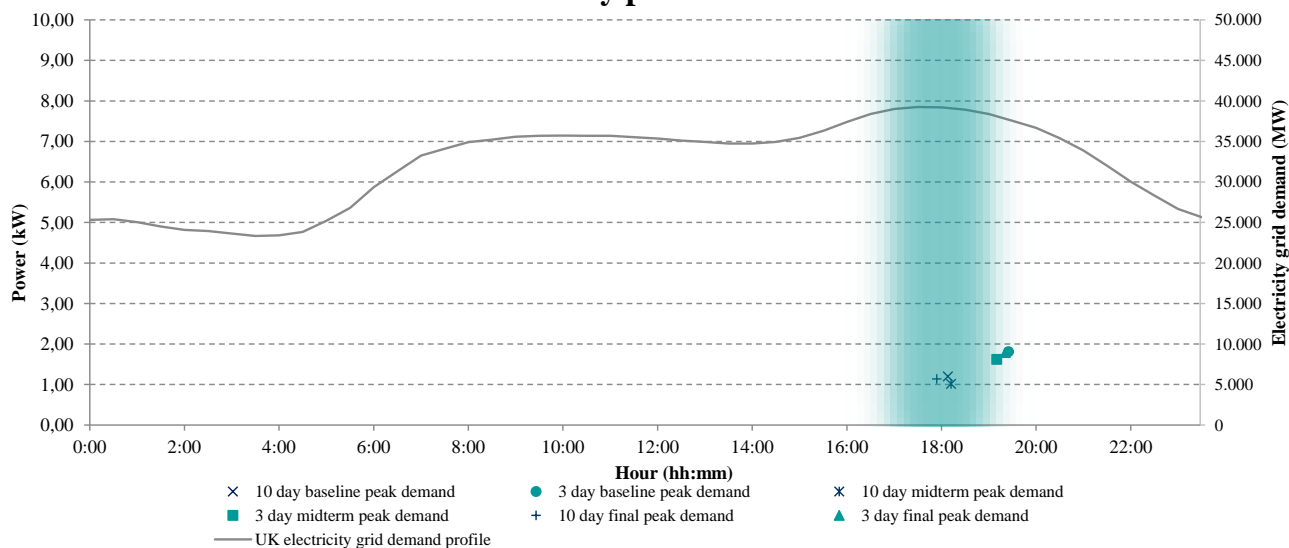
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #050	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	98
Number of storeys:	3	Number of habitable rooms:	Missing
Household size:	5	Internet:	Yes

Energy characteristics

SAP:	84 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E470	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	-		
Location:	Outdoor	Distance aggregator-meter (m):	3

Baseline period

Starting date (dd/mm/yyyy):	16/02/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1529,5		

Electricity

Initial meter reading (kWh):	5.289	Final meter reading (kWh):	7.156
10 day baseline peak demand	Power (kW): 1,48	Time (hh:mm):	14 h 31 min
3 day baseline peak demand	Power (kW): 2,19	Time (hh:mm):	14 h 47 min
Demand at the network peak	Power (kW): 0,51	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.497	Final meter reading (m³):	2.018
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Electricity consumption (kWh):	1.867,0
Gas consumption (kWh):	5.816,4
Total energy consumption (kWh):	7.683,4

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	7.156	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 1,50	Time (hh:mm):	15 h 17 min
3 day baseline peak demand	Power (kW): 2,15	Time (hh:mm):	16 h 12 min
Demand at the network peak	Power (kW): 0,56	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.018	Final meter reading (m³):	-
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Electricity consumption (kWh):	813,1
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	23/01/2018
Heating Degree Days (°C) :	1777		

Electricity

Initial meter reading (kWh):	7.156	Final meter reading (kWh):	9.280
10 day baseline peak demand	Power (kW): 1,39	Time (hh:mm):	15 h 24 min
3 day baseline peak demand	Power (kW): 2,04	Time (hh:mm):	16 h 21 min
Demand at the network peak	Power (kW): 0,55	Time (hh:mm):	17 h 0 min to 19h 0 min

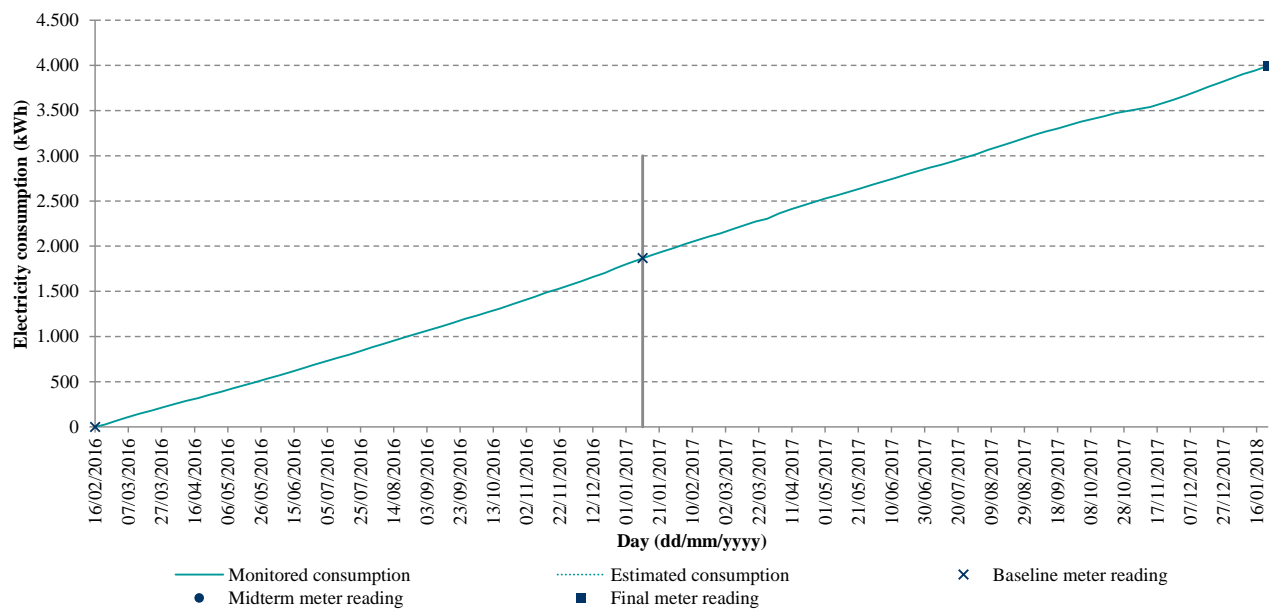
Gas

Initial meter reading (m³):	2.018	Final meter reading (m³):	2.779
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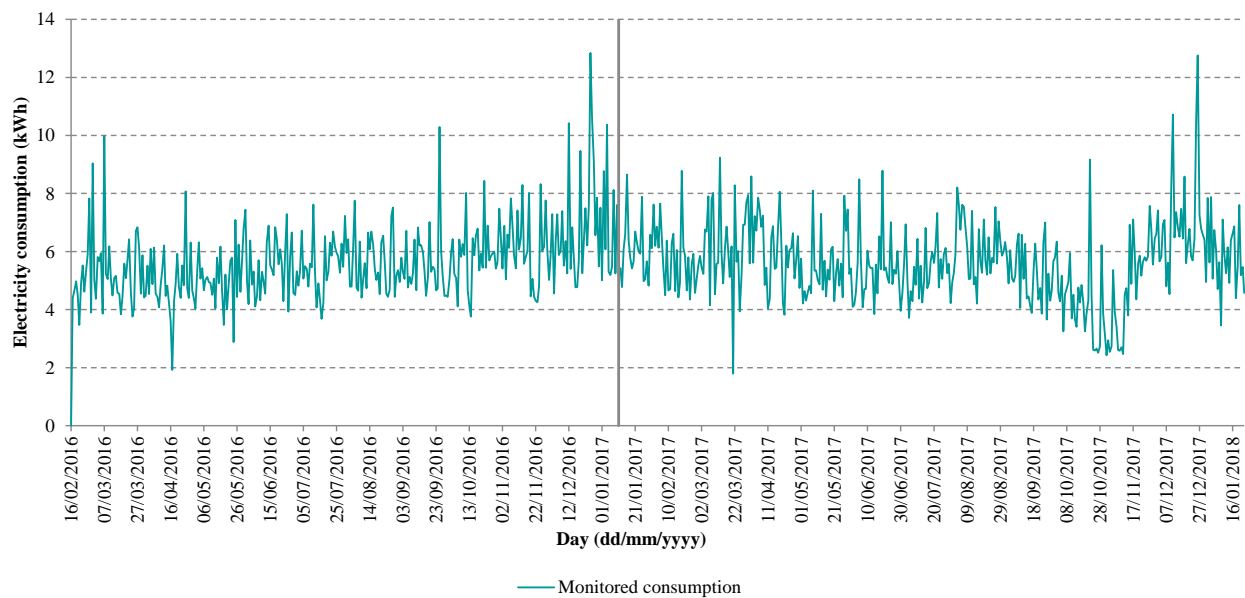
Electricity consumption (kWh):	2.124,0
Gas consumption (kWh):	8.501,0
Total energy consumption (kWh):	10.625,0

Baseline, midterm and final reporting period

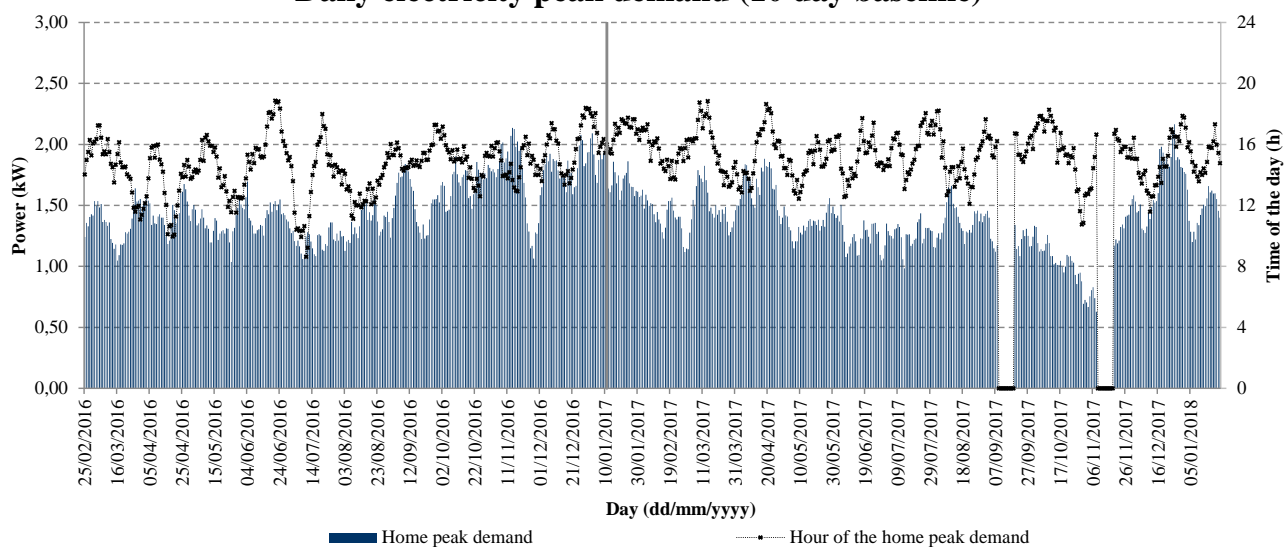
Cumulative electricity consumption



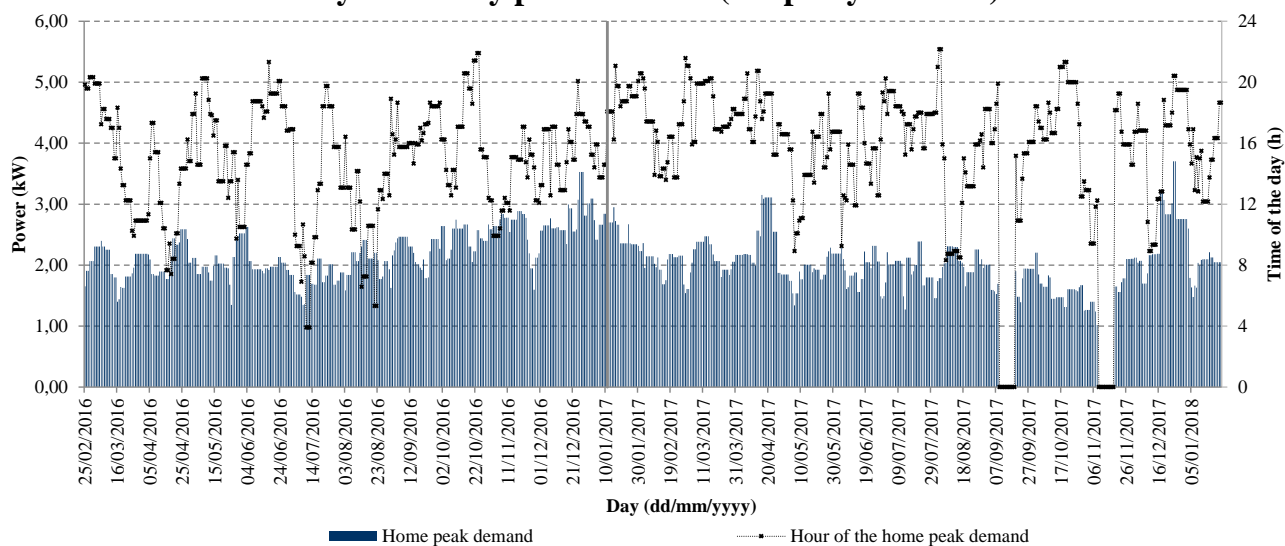
Daily electricity consumption



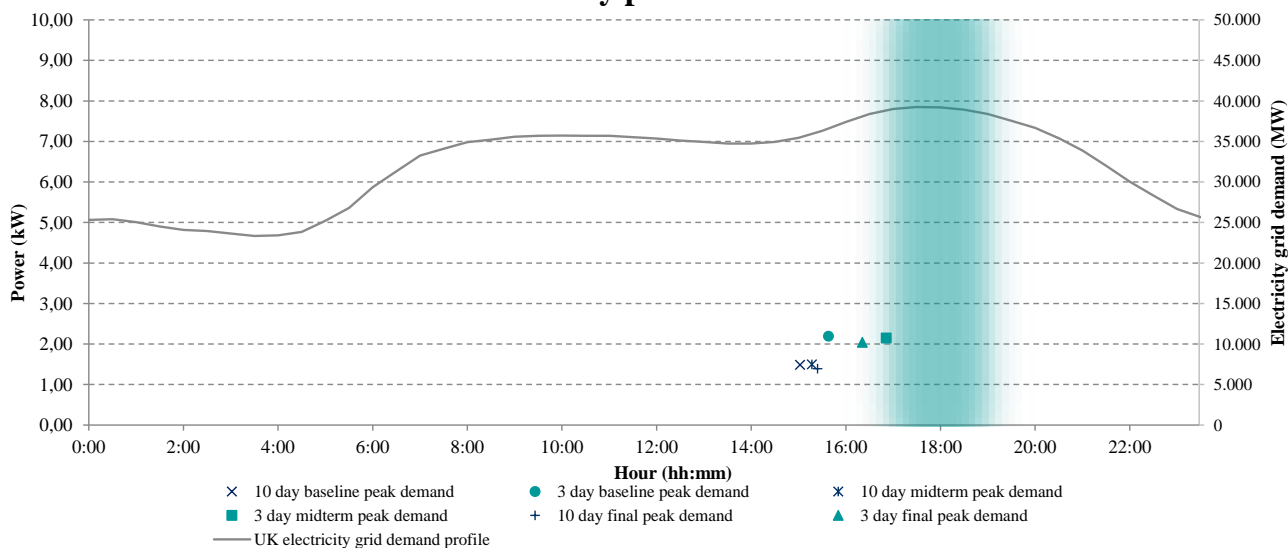
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #051	Dwelling type:	Flat
Construction period:	1976-1982	Floor area (m²):	70
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	75 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5235A	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1.5

Gas infrastructure characteristics

Manufacturer:	Thorn EMI	Type:	Analogue
Model:	-		
Location:	Inside	Distance aggregator-meter (m):	2.5

Baseline period

Starting date (dd/mm/yyyy):	21/03/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	1192		

Electricity

Initial meter reading (kWh):	2.735	Final meter reading (kWh):	3.724
10 day baseline peak demand	Power (kW): 1,54	Time (hh:mm):	14 h 5 min
3 day baseline peak demand	Power (kW): 2,60	Time (hh:mm):	17 h 6 min
Demand at the network peak	Power (kW): 0,57	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	81	Final meter reading (m³):	220
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Electricity consumption (kWh):	989,0
Gas consumption (kWh):	1.551,8
Total energy consumption (kWh):	2.540,8

Midterm reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	18/05/2017
Heating Degree Days (°C) :	882		

Electricity

Initial meter reading (kWh):	3.724	Final meter reading (kWh):	4.270
10 day baseline peak demand	Power (kW): 1,39	Time (hh:mm):	14 h 45 min
3 day baseline peak demand	Power (kW): 2,44	Time (hh:mm):	16 h 57 min
Demand at the network peak	Power (kW): 0,65	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	220	Final meter reading (m³):	360
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Electricity consumption (kWh):	546,0
Gas consumption (kWh):	1.562,9
Total energy consumption (kWh):	2.108,9

Final reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	24/01/2018
Heating Degree Days (°C) :	1778		

Electricity

Initial meter reading (kWh):	3.724	Final meter reading (kWh):	5.560
10 day baseline peak demand	Power (kW): 1,55	Time (hh:mm):	12 h 54 min
3 day baseline peak demand	Power (kW): 2,74	Time (hh:mm):	14 h 17 min
Demand at the network peak	Power (kW): 0,51	Time (hh:mm):	17 h 0 min to 19h 0 min

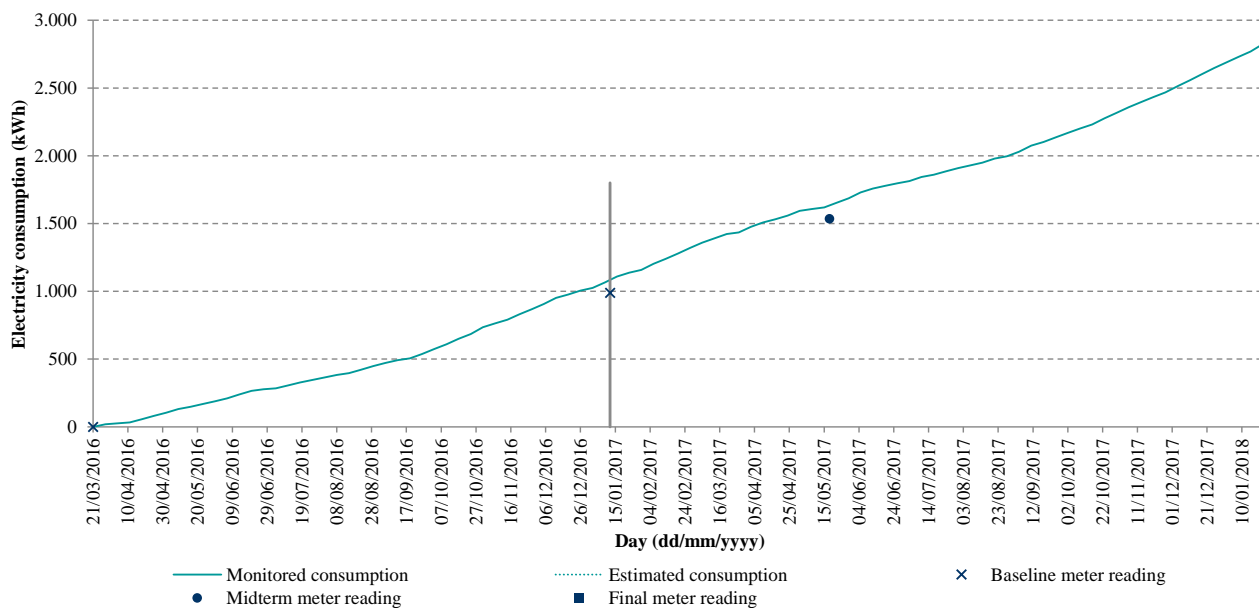
Gas

Initial meter reading (m³):	220	Final meter reading (m³):	486
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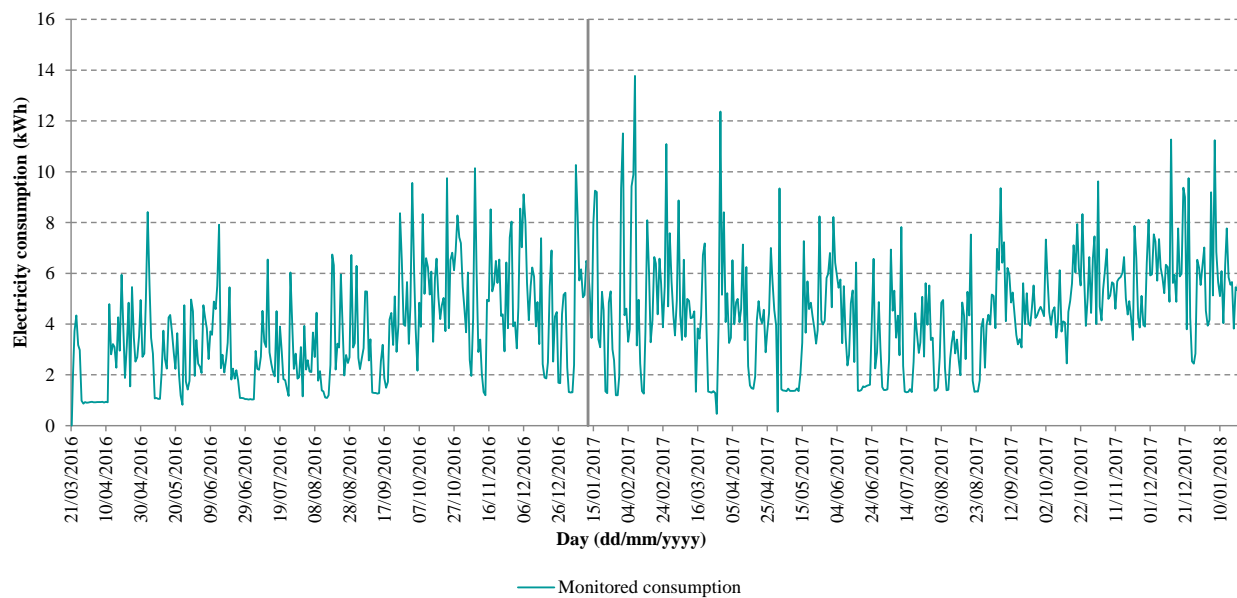
Electricity consumption (kWh):	1.836,0
Gas consumption (kWh):	2.970,7
Total energy consumption (kWh):	4.806,7

Baseline, midterm and final reporting period

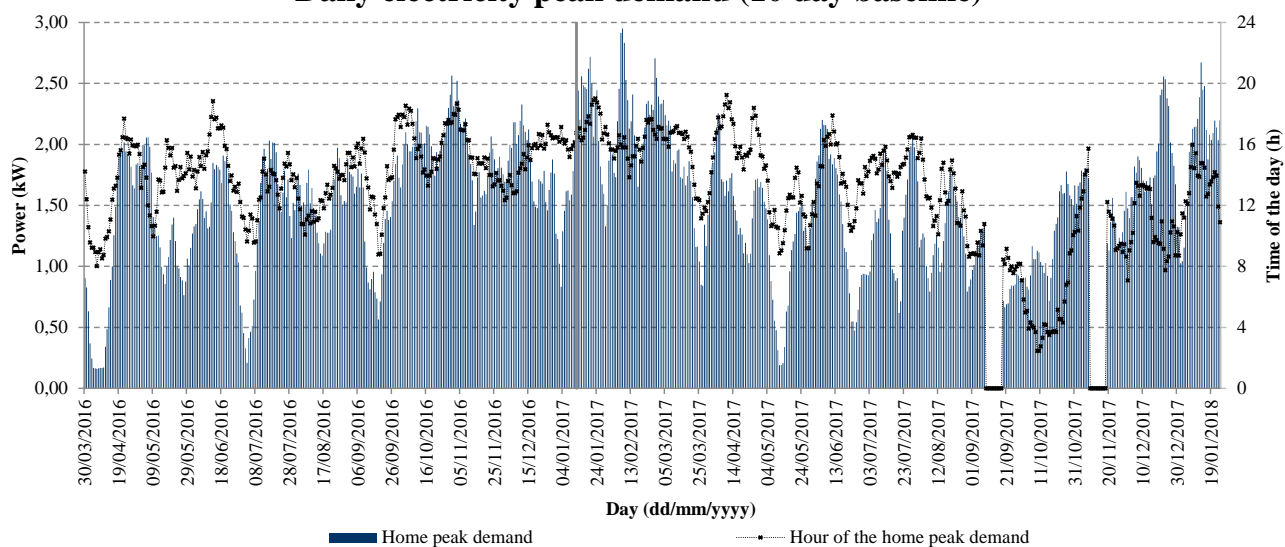
Cumulative electricity consumption



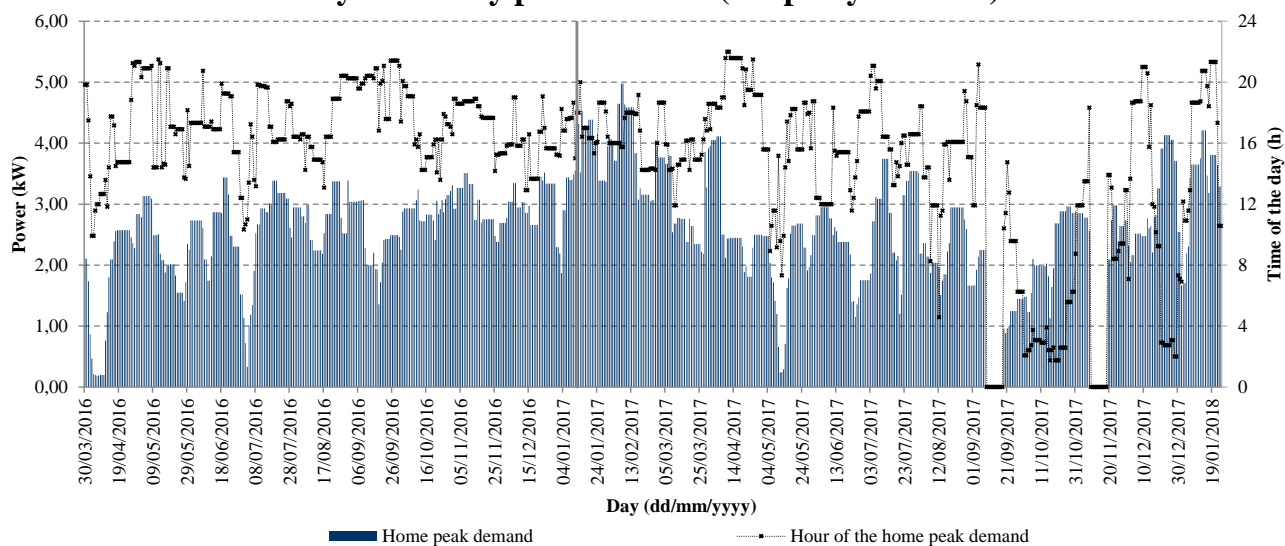
Daily electricity consumption



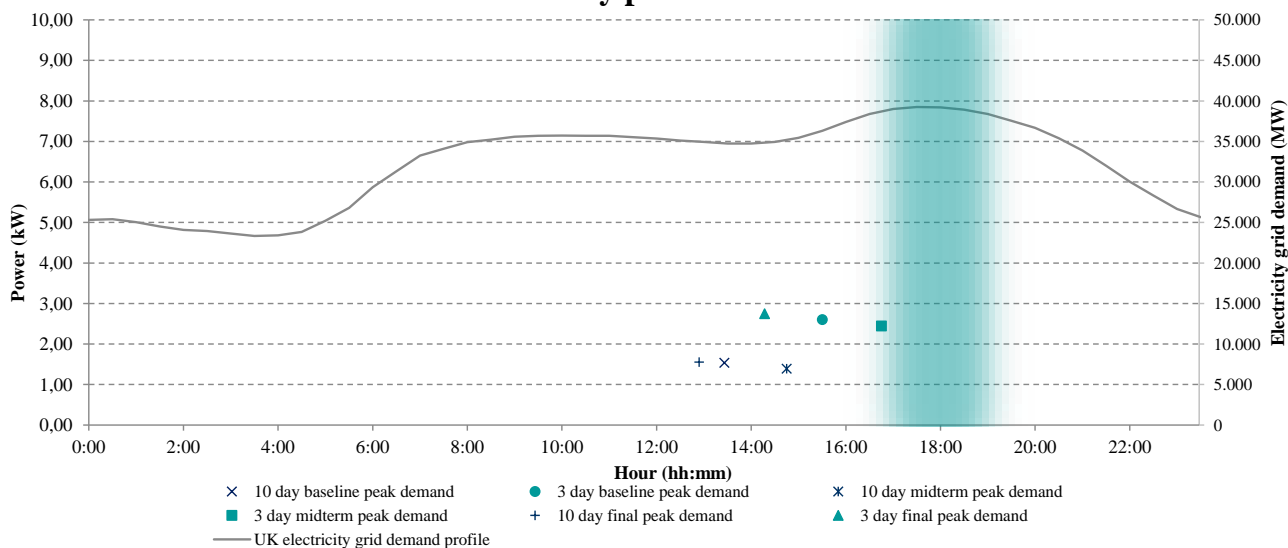
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #052	Dwelling type:	Flat
Construction period:	1976-1982	Floor area (m²):	70
Number of storeys:	1	Number of habitable rooms:	3
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	74 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Pre-payment
Model:	ZCE 527-2	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1.5

Gas infrastructure characteristics

Manufacturer:	GWl	Type:	Pre-payment
Model:	U6		
Location:	Inside	Distance aggregator-meter (m):	1

Baseline period

Starting date (dd/mm/yyyy):	22/03/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	1194		

Electricity

Initial meter reading (kWh):	17.899	Final meter reading (kWh):	20.558
10 day baseline peak demand	Power (kW): 3,19	Time (hh:mm):	12 h 7 min
3 day baseline peak demand	Power (kW): 4,91	Time (hh:mm):	11 h 44 min
Demand at the network peak	Power (kW): 0,83	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	7.779	Final meter reading (m³):	8.241
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Electricity consumption (kWh):	2.659,0
Gas consumption (kWh):	5.157,7
Total energy consumption (kWh):	7.816,7

Midterm reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	20.558	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 3,73	Time (hh:mm):	9 h 56 min
3 day baseline peak demand	Power (kW): 5,77	Time (hh:mm):	9 h 45 min
Demand at the network peak	Power (kW): 0,75	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	8.241	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.268,3
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	20/01/2018
Heating Degree Days (°C) :	1742,5		

Electricity

Initial meter reading (kWh):	20.558	Final meter reading (kWh):	24.141
10 day baseline peak demand	Power (kW): 3,77	Time (hh:mm):	10 h 46 min
3 day baseline peak demand	Power (kW): 5,94	Time (hh:mm):	10 h 56 min
Demand at the network peak	Power (kW): 0,36	Time (hh:mm):	17 h 0 min to 19h 0 min

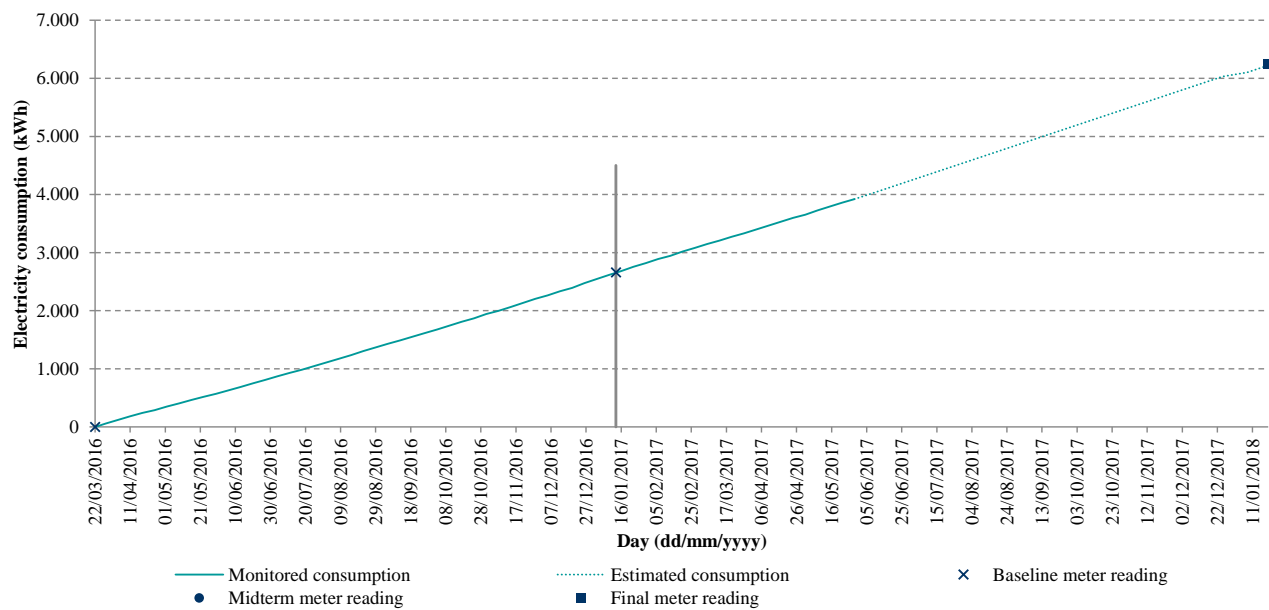
Gas

Initial meter reading (m³):	8.241	Final meter reading (m³):	9.172
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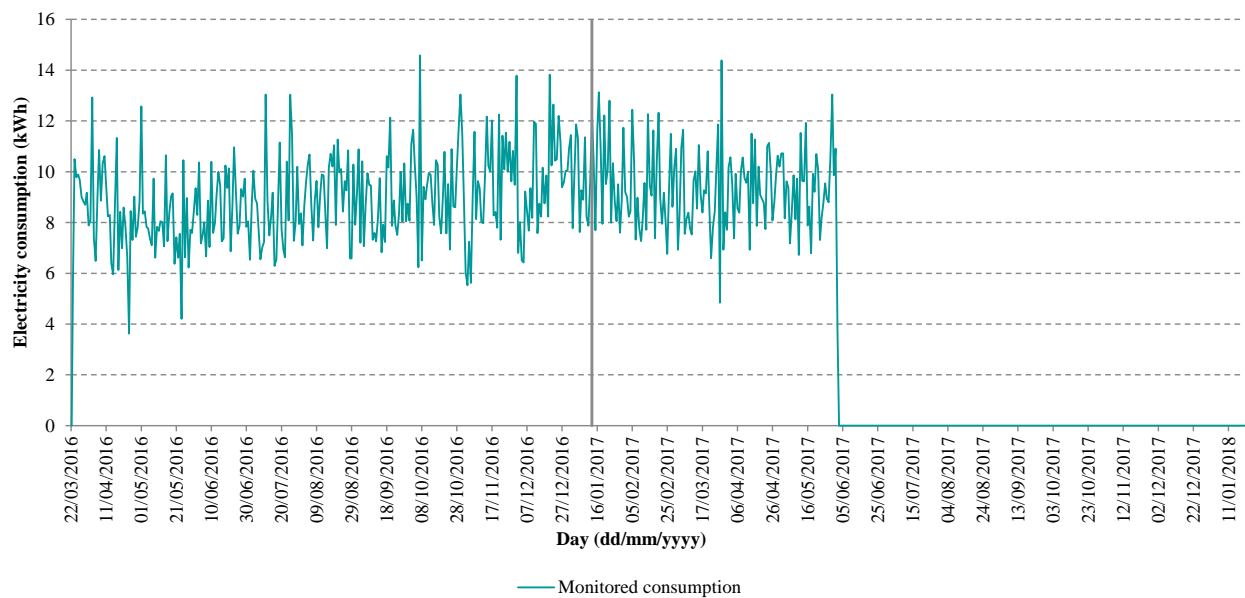
Electricity consumption (kWh):	3.582,7
Gas consumption (kWh):	10.394,0
Total energy consumption (kWh):	13.976,7

Baseline, midterm and final reporting period

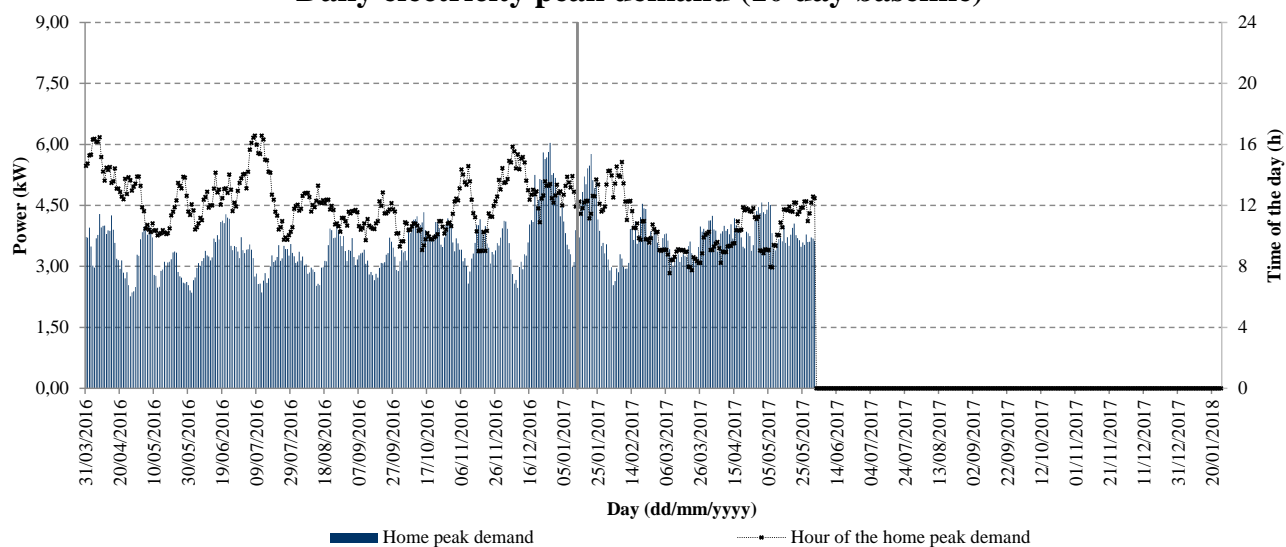
Cumulative electricity consumption



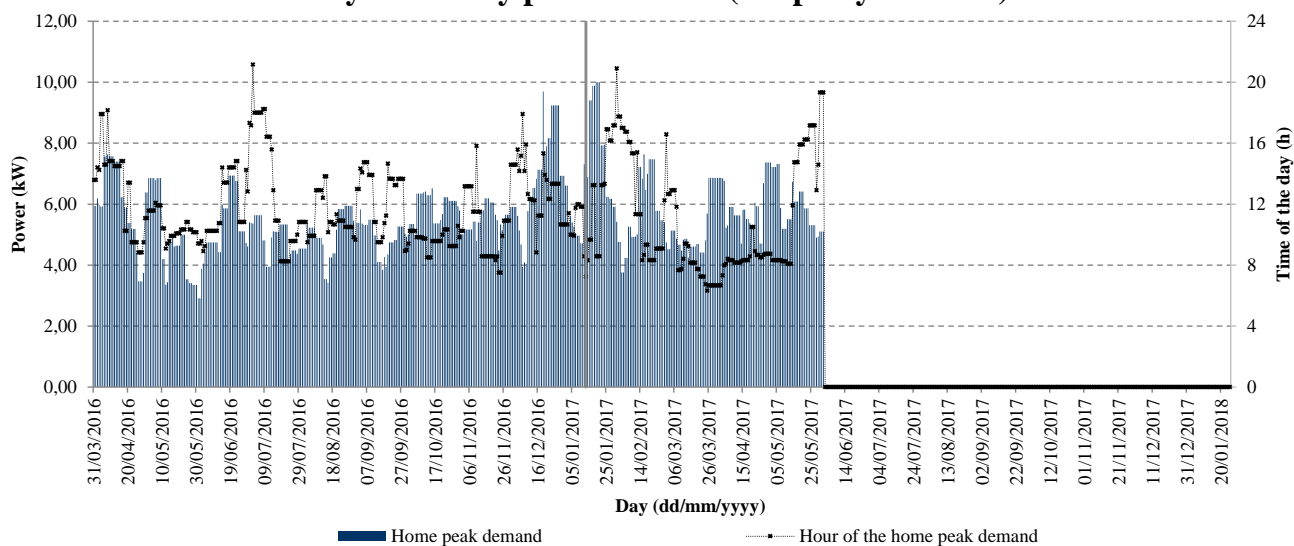
Daily electricity consumption



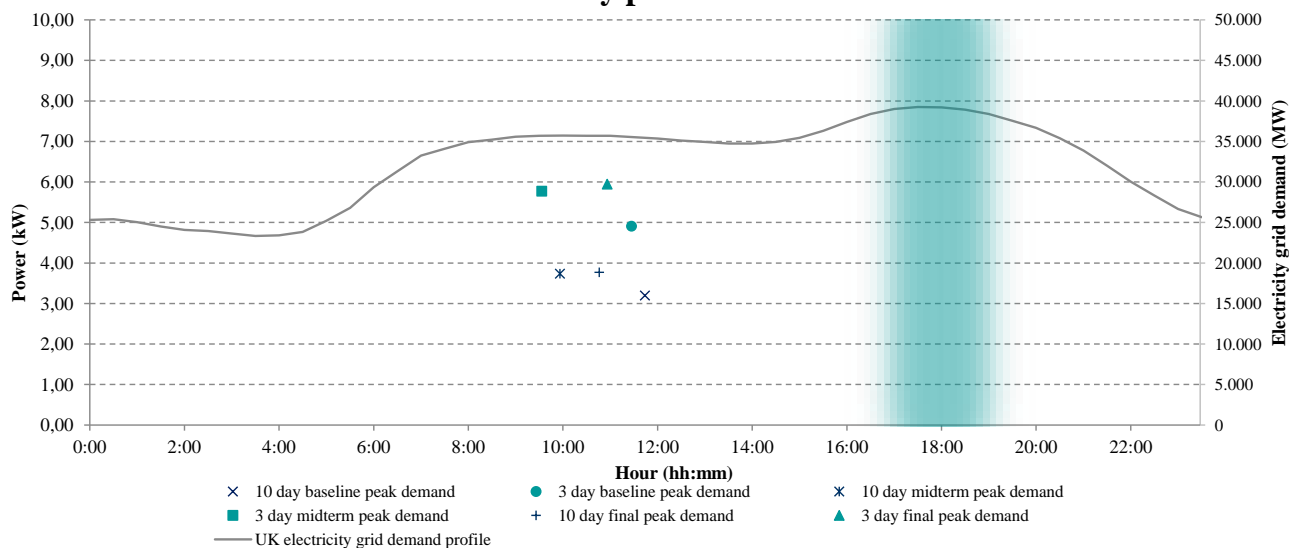
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #053	Dwelling type:	Flat
Construction period:	Pre 1990	Floor area (m²):	65
Number of storeys:	1	Number of habitable rooms:	2
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	65 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Talexus	Type:	Pre-payment
Model:	ACE9000 KBD	Conversion factor (impulses/kWh):	800
Location:	Indoor	Distance aggregator-meter (m):	1.5

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Pre-payment
Model:	G370		
Location:	Inside	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	24/03/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	1161,5		

Electricity

Initial meter reading (kWh):	5.189	Final meter reading (kWh):	7.186
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	3.313	Final meter reading (m³):	3.717
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Electricity consumption (kWh):	1.997,0
Gas consumption (kWh):	4.510,2
Total energy consumption (kWh):	6.507,2

Midterm reporting period			
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Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity			
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Initial meter reading (kWh):	7.186	Final meter reading (kWh):	-
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	3.717	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
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Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	16/01/2018
Heating Degree Days (°C) :	1715		

Electricity			
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Initial meter reading (kWh):	7.186	Final meter reading (kWh):	9.693
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

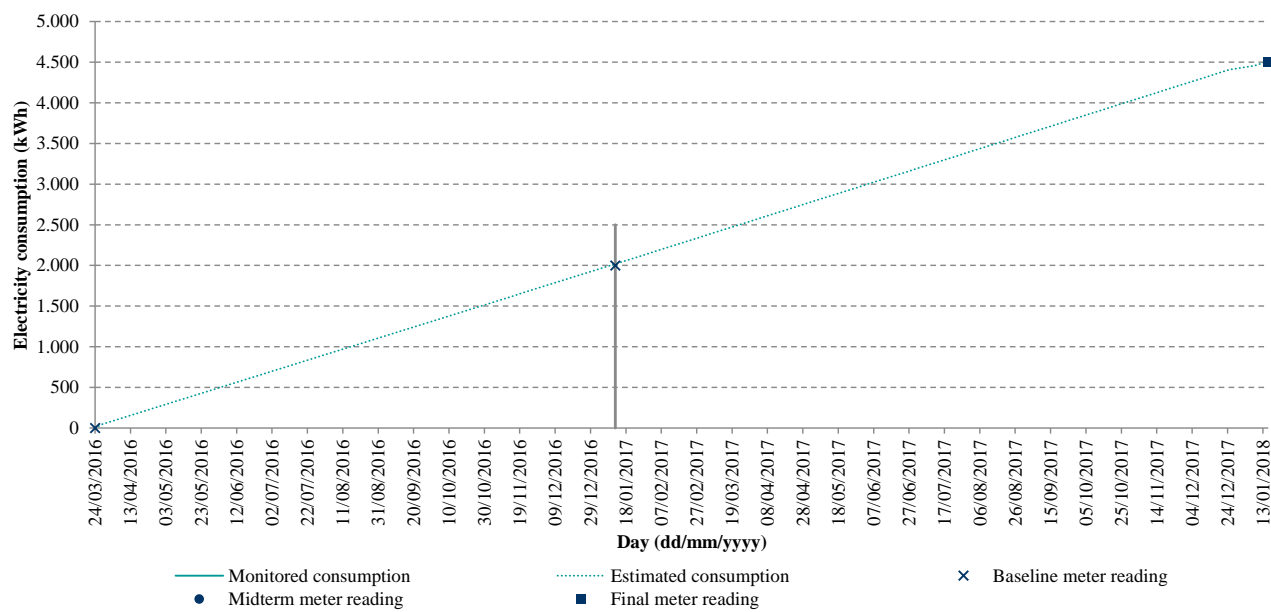
Gas			
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Initial meter reading (m³):	3.717	Final meter reading (m³):	4.312
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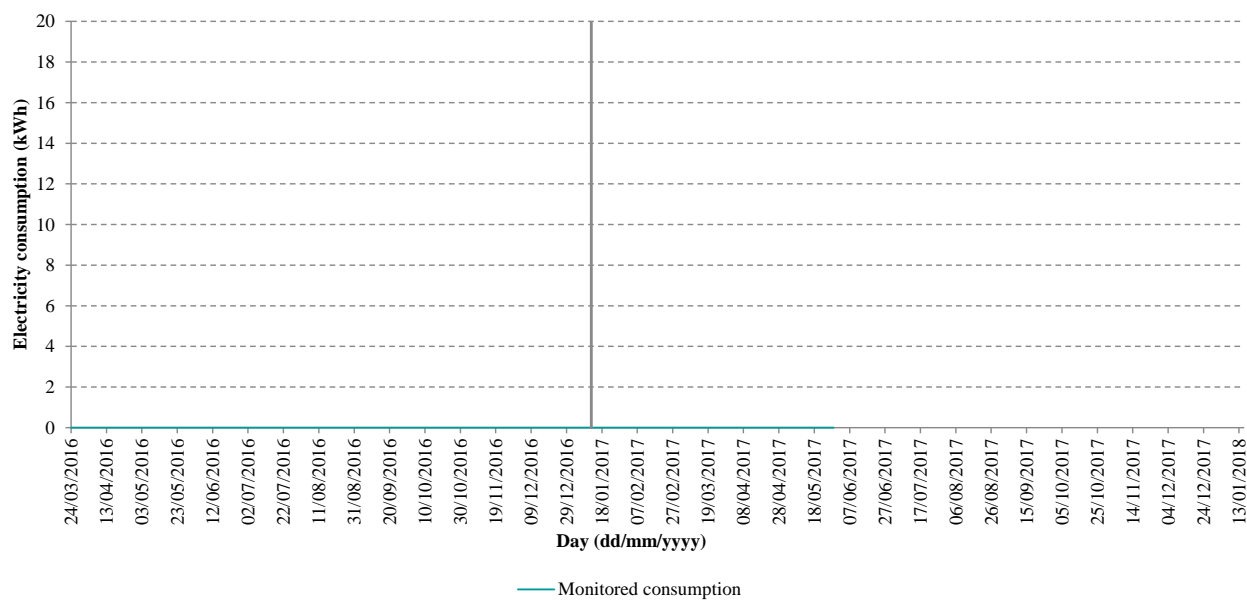
Electricity consumption (kWh):	2.507,0
Gas consumption (kWh):	6.642,1
Total energy consumption (kWh):	9.149,1

Baseline, midterm and final reporting period

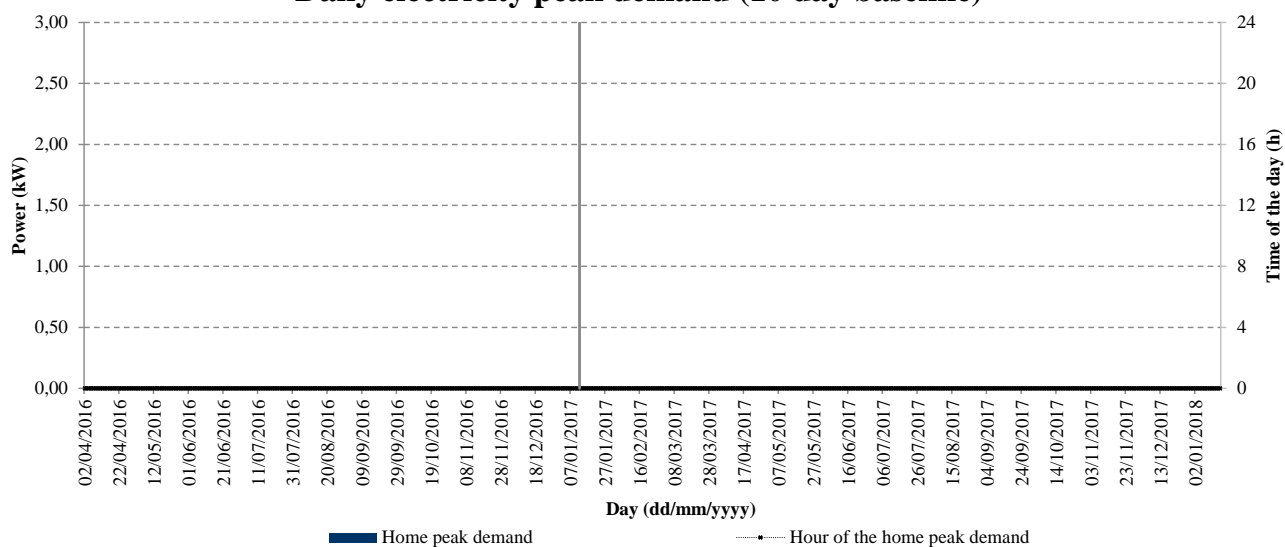
Cumulative electricity consumption



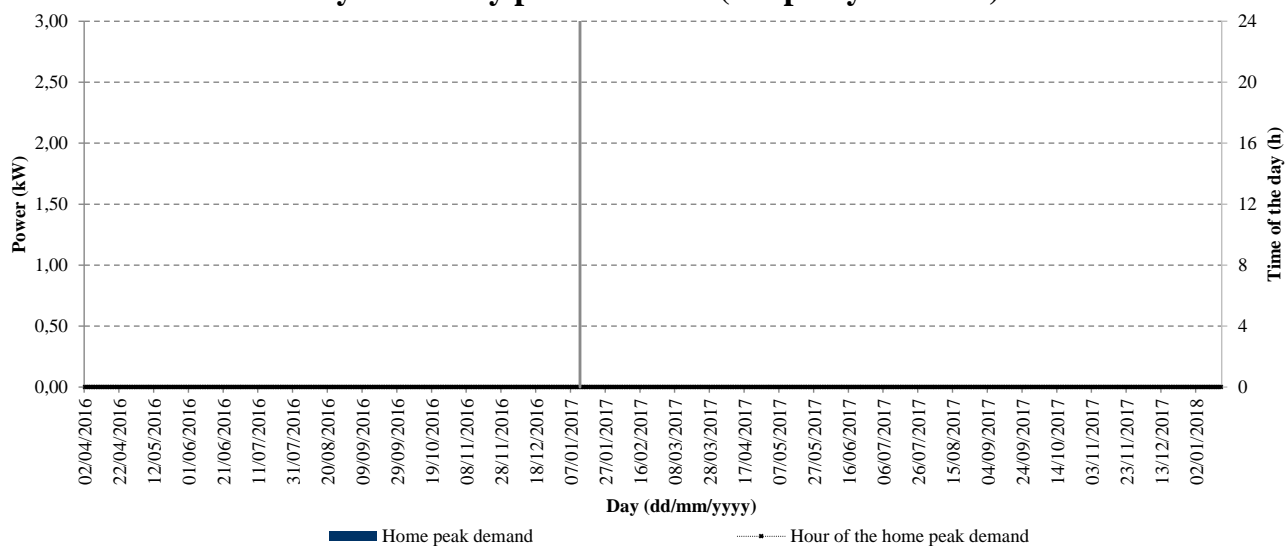
Daily electricity consumption



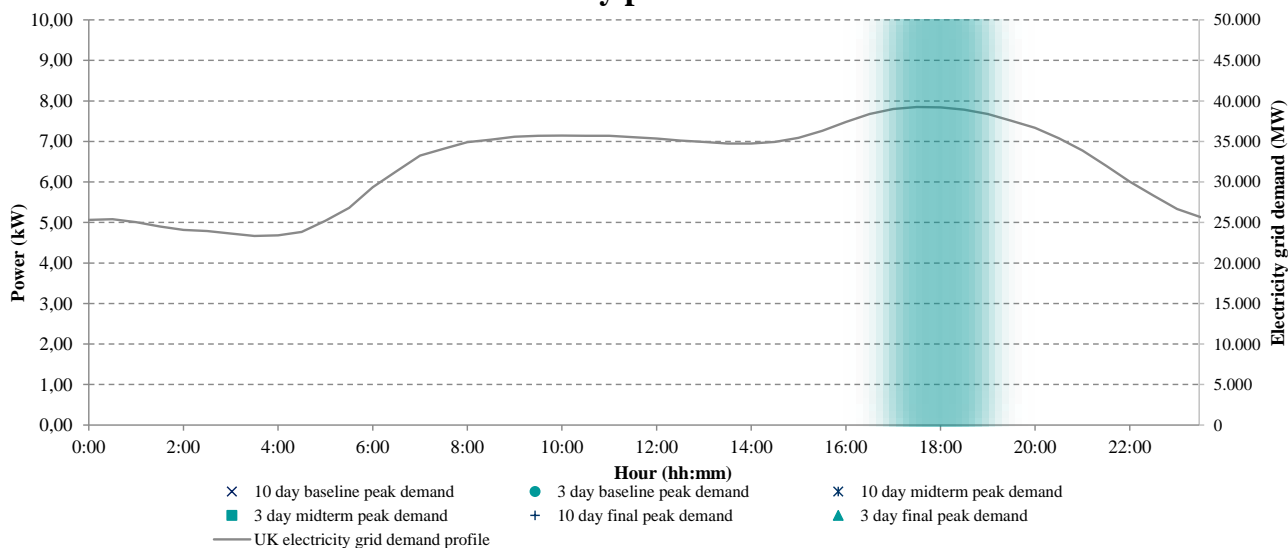
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #054	Dwelling type:	Mid Terrace House
Construction period:	1983-1990	Floor area (m²):	72
Number of storeys:	2	Number of habitable rooms:	5
Household size:	4	Internet:	Yes

Energy characteristics

SAP:	55 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital pre-payment
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	2

Gas infrastructure characteristics

Manufacturer:	Krom/Schroder	Type:	Analogue
Model:	G4		
Location:	Outdoor	Distance aggregator-meter (m):	3

Baseline period

Starting date (dd/mm/yyyy):	18/02/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C) :	1562,5		

Electricity

Initial meter reading (kWh):	2.617	Final meter reading (kWh):	9.063
10 day baseline peak demand	Power (kW): 5,81	Time (hh:mm):	12 h 13 min
3 day baseline peak demand	Power (kW): 6,77	Time (hh:mm):	12 h 13 min
Demand at the network peak	Power (kW): 2,37	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	6.900	Final meter reading (m³):	7.300
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Electricity consumption (kWh):	6.446,0
Gas consumption (kWh):	4.465,5
Total energy consumption (kWh):	10.911,5

Midterm reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	10/05/2017
Heating Degree Days (°C) :	805,5		

Electricity

Initial meter reading (kWh):	9.063	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 5,97	Time (hh:mm):	12 h 47 min
3 day baseline peak demand	Power (kW): 7,50	Time (hh:mm):	14 h 53 min
Demand at the network peak	Power (kW): 2,25	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	7.300	Final meter reading (m³):	-
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Electricity consumption (kWh):	2.169,5
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	18/01/2018
Heating Degree Days (°C) :	1686,5		

Electricity

Initial meter reading (kWh):	9.063	Final meter reading (kWh):	15.072
10 day baseline peak demand	Power (kW): 5,68	Time (hh:mm):	16 h 8 min
3 day baseline peak demand	Power (kW): 7,11	Time (hh:mm):	16 h 23 min
Demand at the network peak	Power (kW): 2,07	Time (hh:mm):	17 h 0 min to 19h 0 min

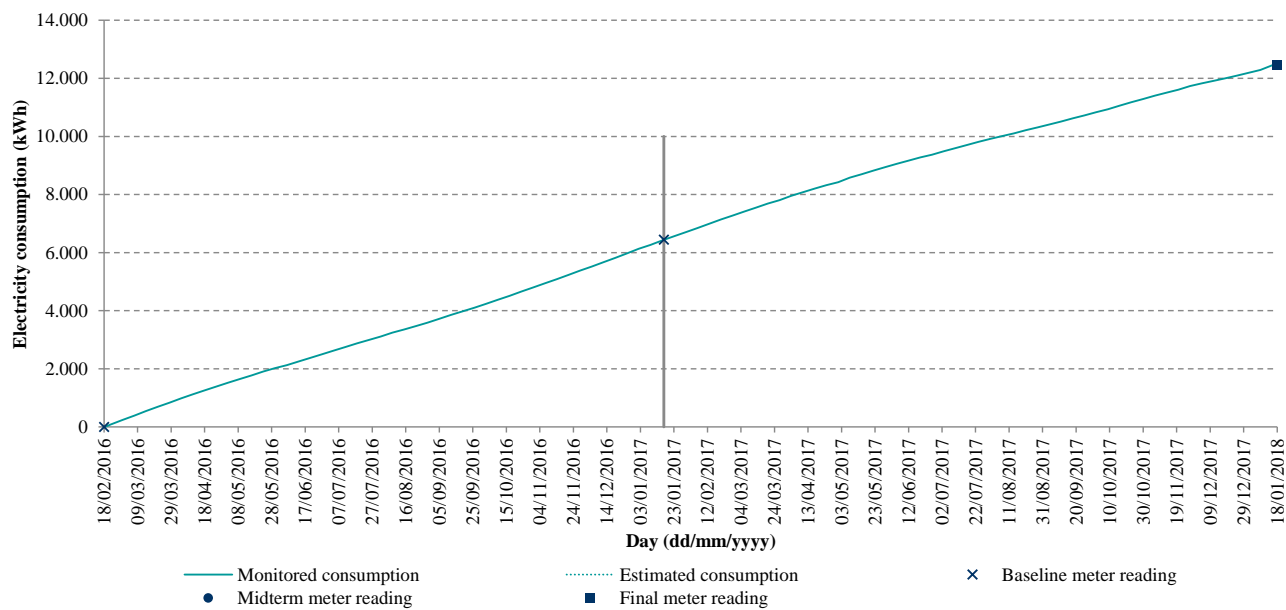
Gas

Initial meter reading (m³):	7.300	Final meter reading (m³):	7.722
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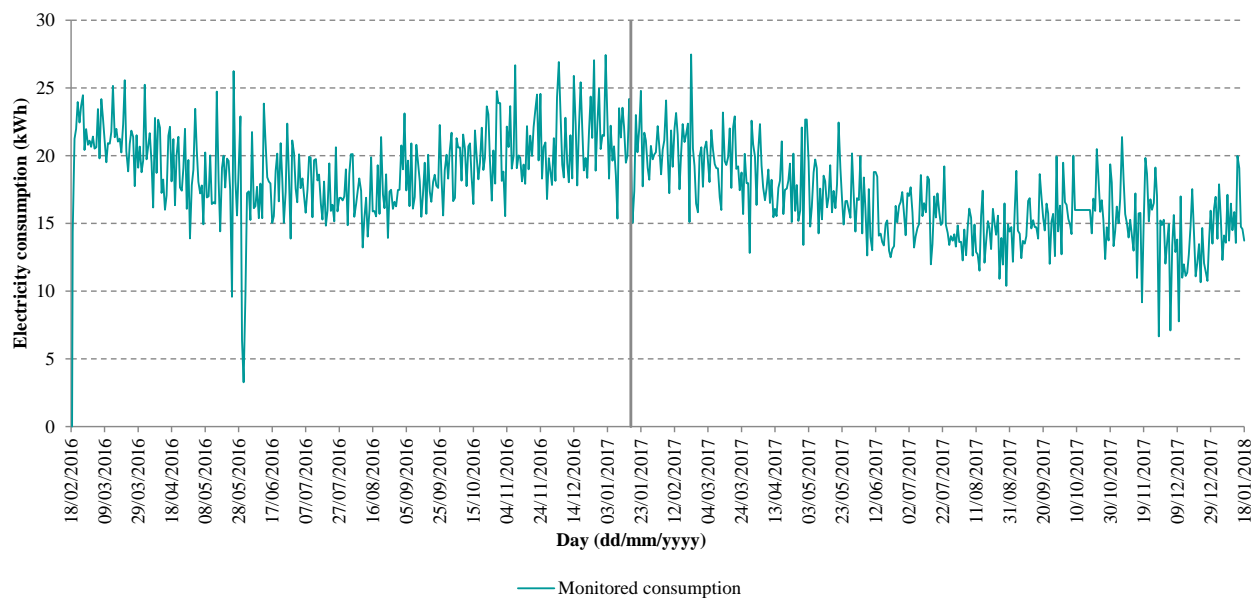
Electricity consumption (kWh):	6.009,0
Gas consumption (kWh):	4.716,1
Total energy consumption (kWh):	10.725,1

Baseline, midterm and final reporting period

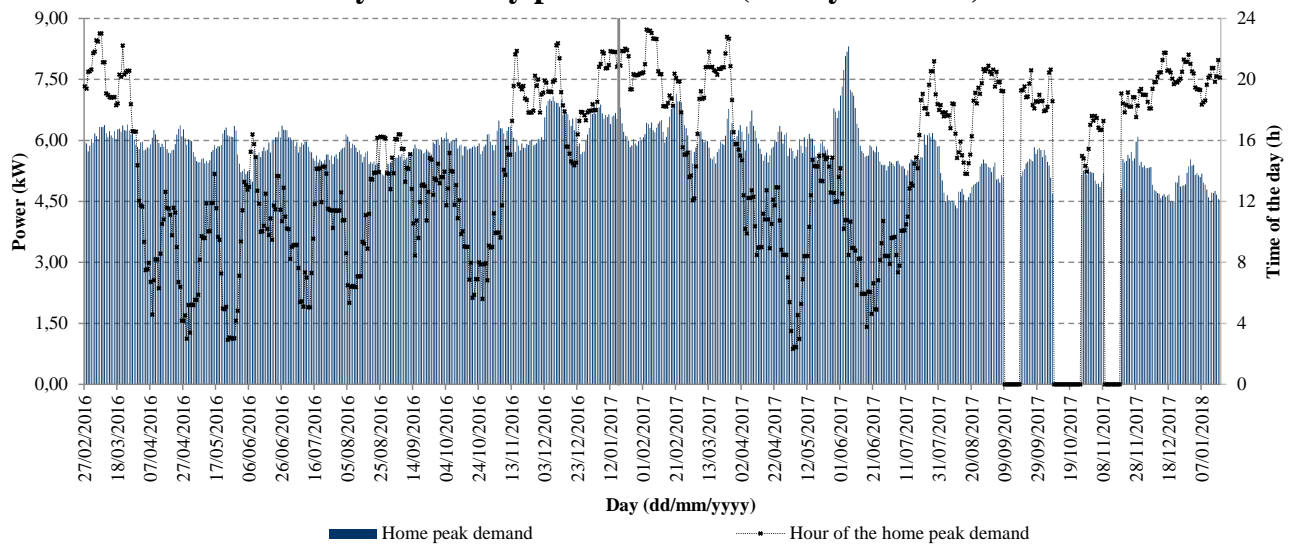
Cumulative electricity consumption



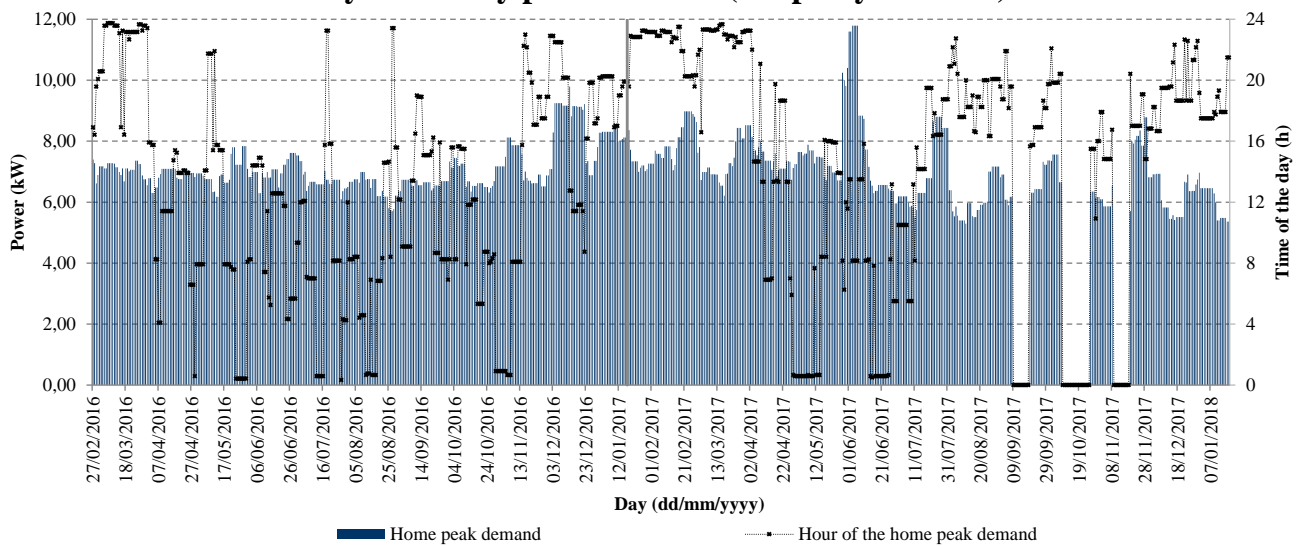
Daily electricity consumption



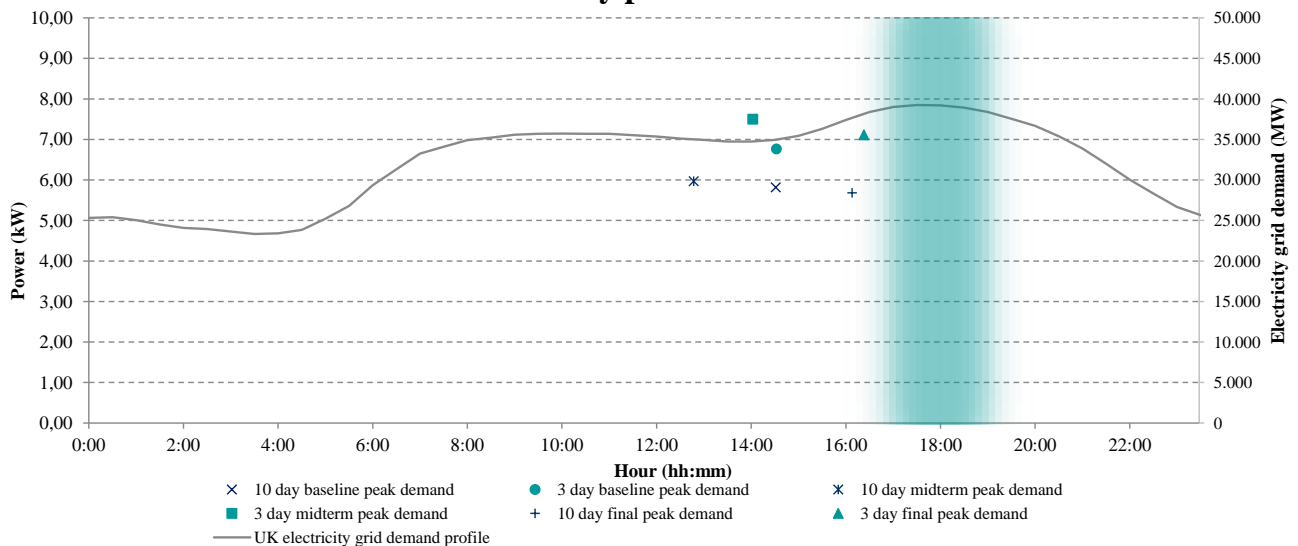
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #055	Dwelling type:	Flat
Construction period:	1983-1990	Floor area (m²):	40
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	75 C	Energy:	Electric only
Main heating fuel:	Electricity	Renewable energy:	Solar hot water

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5235D	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	-	Type:	-
Model:	-		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	17/02/2016	Final date (dd/mm/yyyy):	18/01/2017
Heating Degree Days (°C) :	1.582,5		

Electricity

Initial meter reading (kWh):	-	Final meter reading (kWh):	1.838
10 day baseline peak demand	Power (kW): 5,51	Time (hh:mm):	8 h 32 min
3 day baseline peak demand	Power (kW): 6,96	Time (hh:mm):	8 h 23 min
Demand at the network peak	Power (kW): 1,08	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	4.829,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	4.829,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	18/05/2017
Heating Degree Days (°C) :	826,0		

Electricity

Initial meter reading (kWh):	1.838	Final meter reading (kWh):	4.318
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	2.480,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	2.480,0

Final reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	26/01/2018
Heating Degree Days (°C) :	1.738,0		

Electricity

Initial meter reading (kWh):	1.838	Final meter reading (kWh):	8.415
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

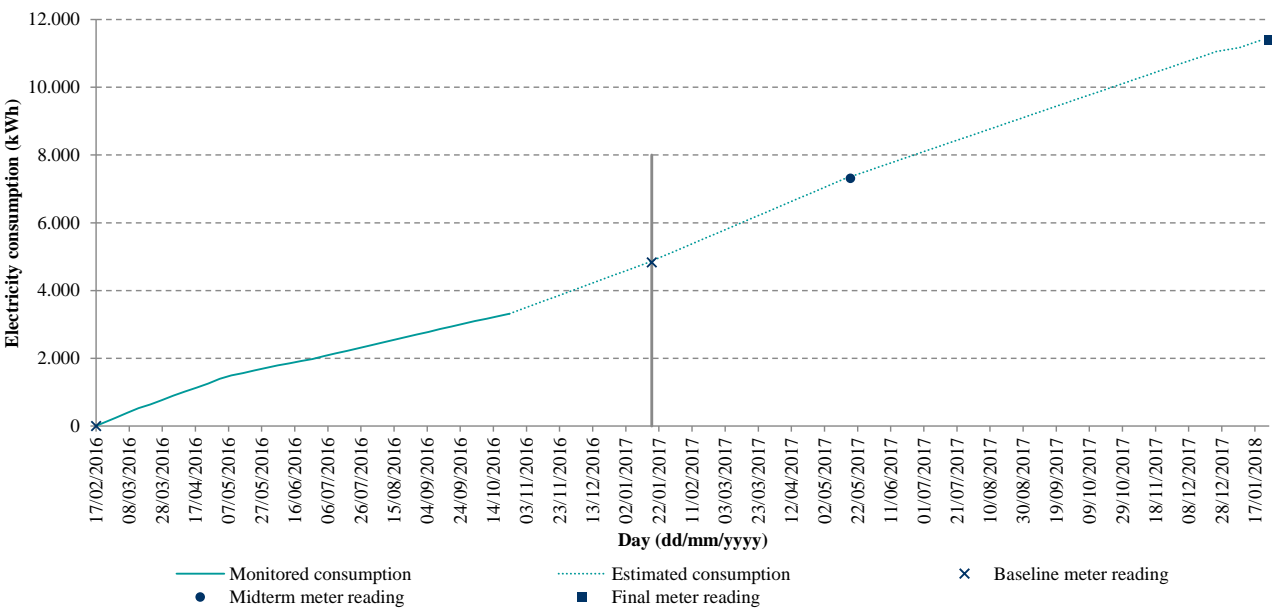
Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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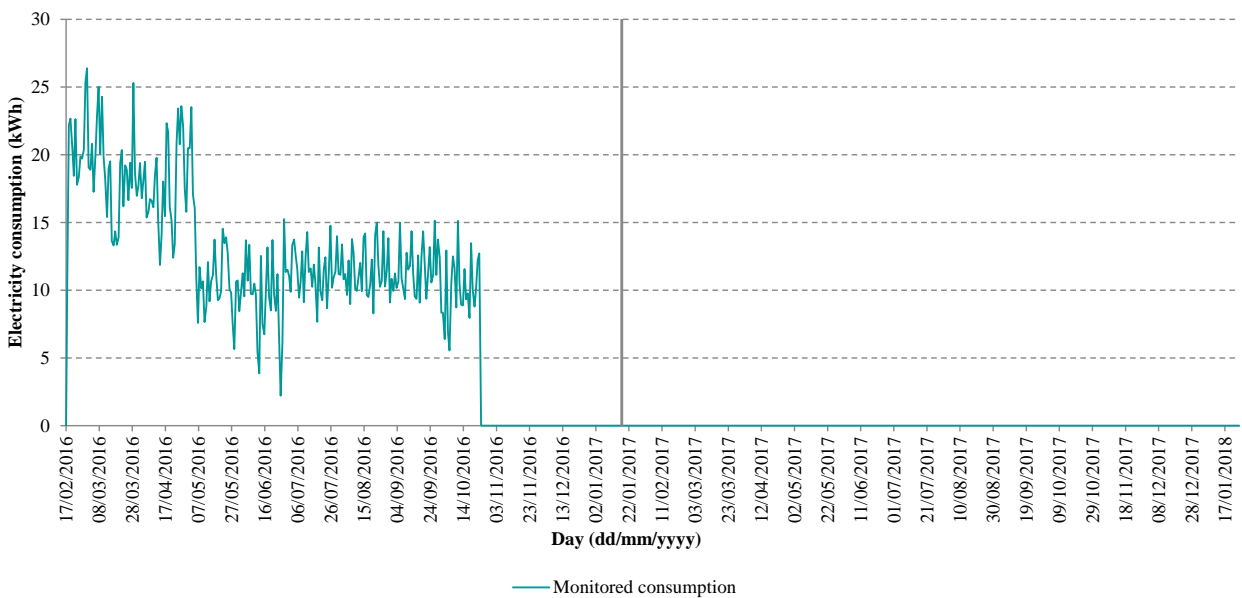
Electricity consumption (kWh):	6.577,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	6.577,0

Baseline, midterm and final reporting period

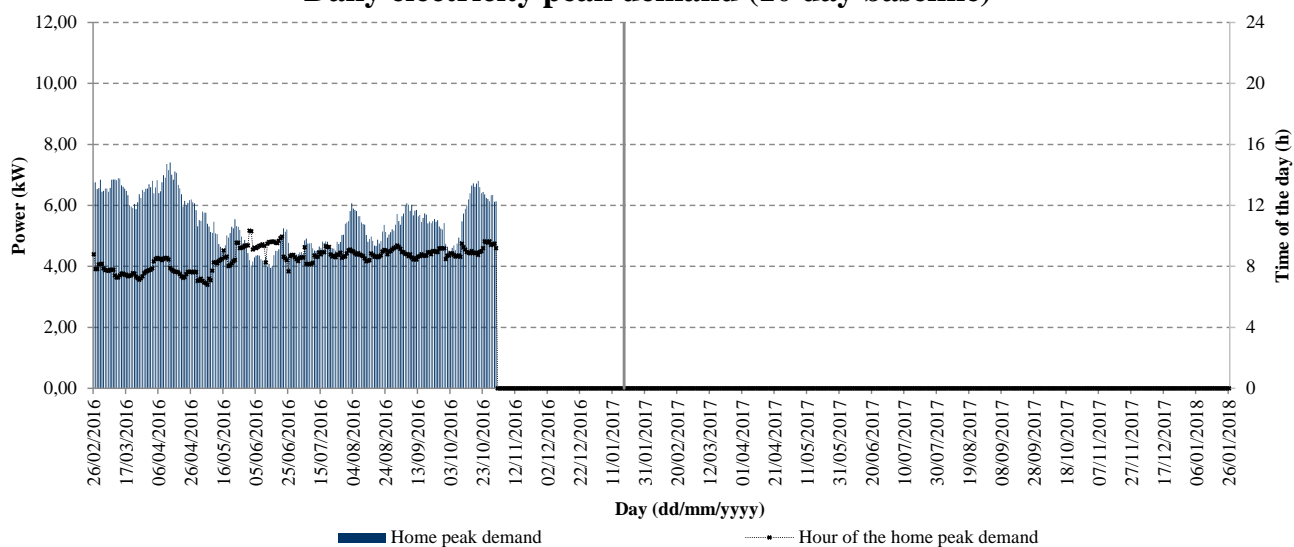
Cumulative electricity consumption



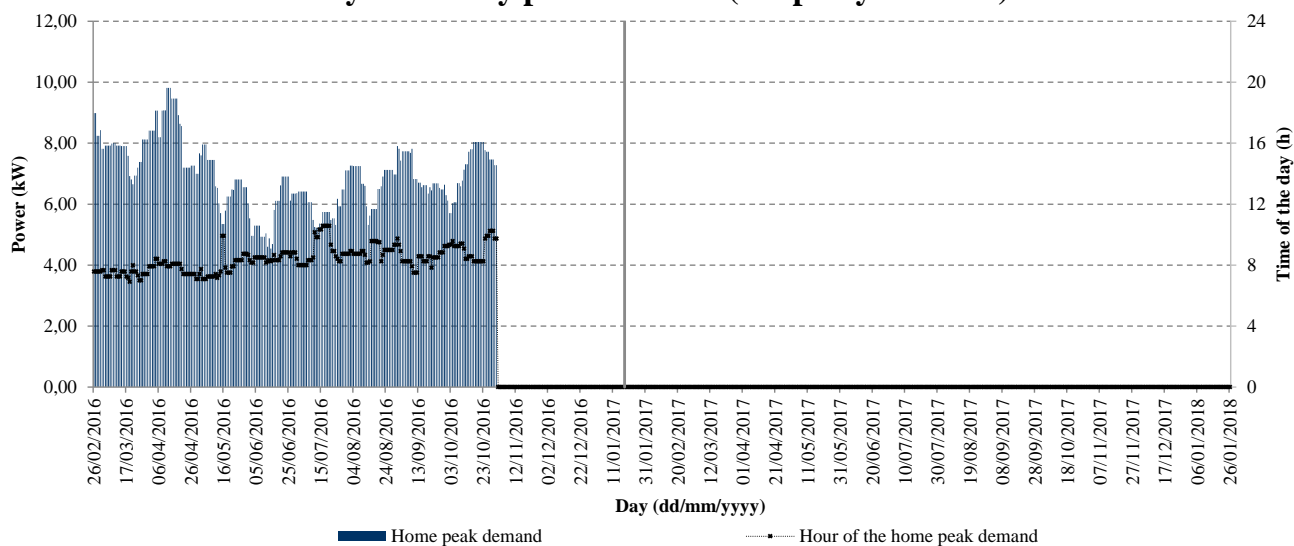
Daily electricity consumption



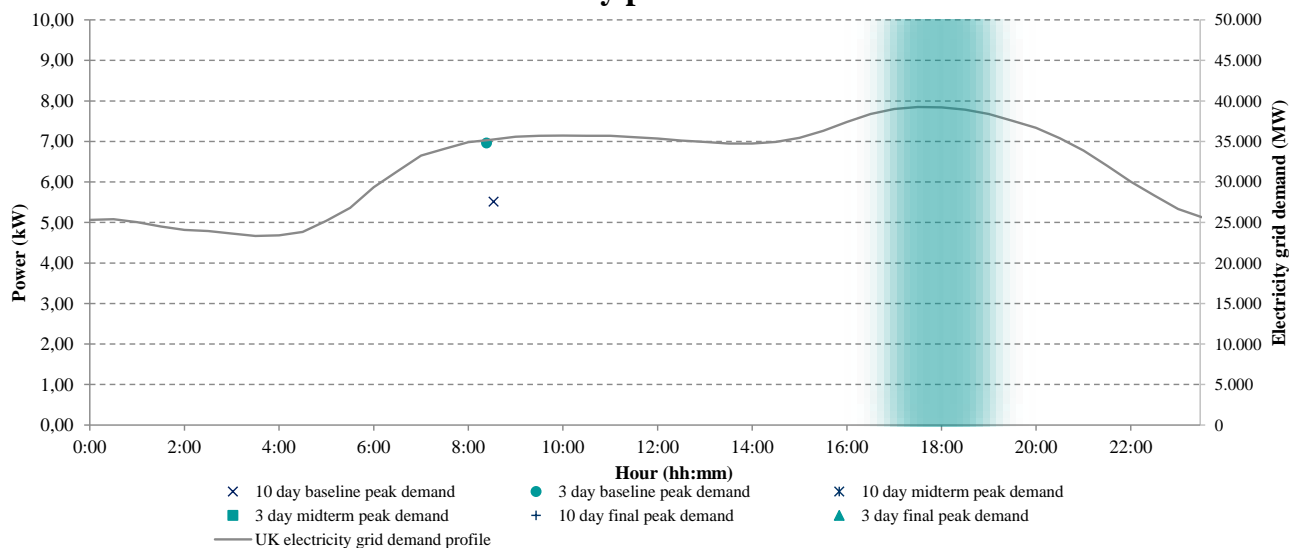
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #056	Dwelling type:	End Terrace House
Construction period:	2007+	Floor area (m²):	104
Number of storeys:	3	Number of habitable rooms:	5
Household size:	5	Internet:	Yes

Energy characteristics

SAP:	83 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E470	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	0.5

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	G4		
Location:	Indoor	Distance aggregator-meter (m):	1

Baseline period

Starting date (dd/mm/yyyy):	12/02/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.577,5		

Electricity

Initial meter reading (kWh):	11.365	Final meter reading (kWh):	14.792
10 day baseline peak demand	Power (kW): 4,09	Time (hh:mm):	13 h 13 min
3 day baseline peak demand	Power (kW): 5,92	Time (hh:mm):	12 h 26 min
Demand at the network peak	Power (kW): 1,27	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.103	Final meter reading (m³):	2.740
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Electricity consumption (kWh):	3.427,0
Gas consumption (kWh):	7.111,4
Total energy consumption (kWh):	10.538,4

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	14.792	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 3,46	Time (hh:mm):	13 h 27 min
3 day baseline peak demand	Power (kW): 5,18	Time (hh:mm):	13 h 9 min
Demand at the network peak	Power (kW): 1,20	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.740	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.209,4
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	18/01/2018
Heating Degree Days (°C) :	1.739,5		

Electricity

Initial meter reading (kWh):	14.792	Final meter reading (kWh):	17.853
10 day baseline peak demand	Power (kW): 3,49	Time (hh:mm):	13 h 57 min
3 day baseline peak demand	Power (kW): 5,02	Time (hh:mm):	14 h 19 min
Demand at the network peak	Power (kW): 1,23	Time (hh:mm):	17 h 0 min to 19h 0 min

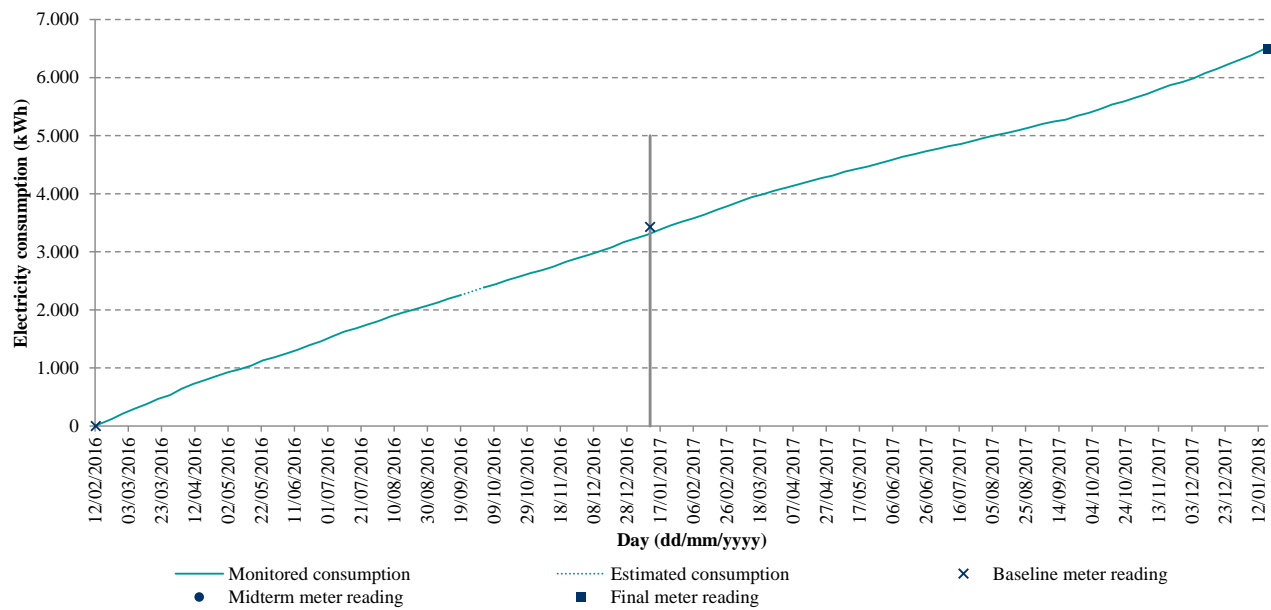
Gas

Initial meter reading (m³):	2.740	Final meter reading (m³):	3.375
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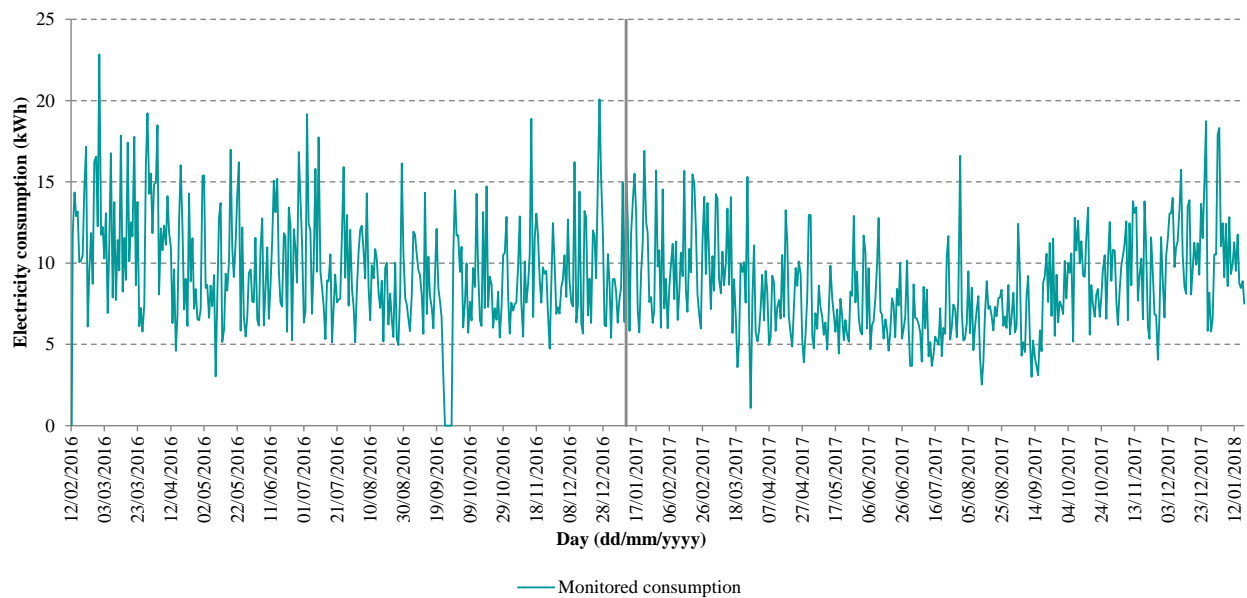
Electricity consumption (kWh):	3.061,0
Gas consumption (kWh):	7.085,9
Total energy consumption (kWh):	10.146,9

Baseline, midterm and final reporting period

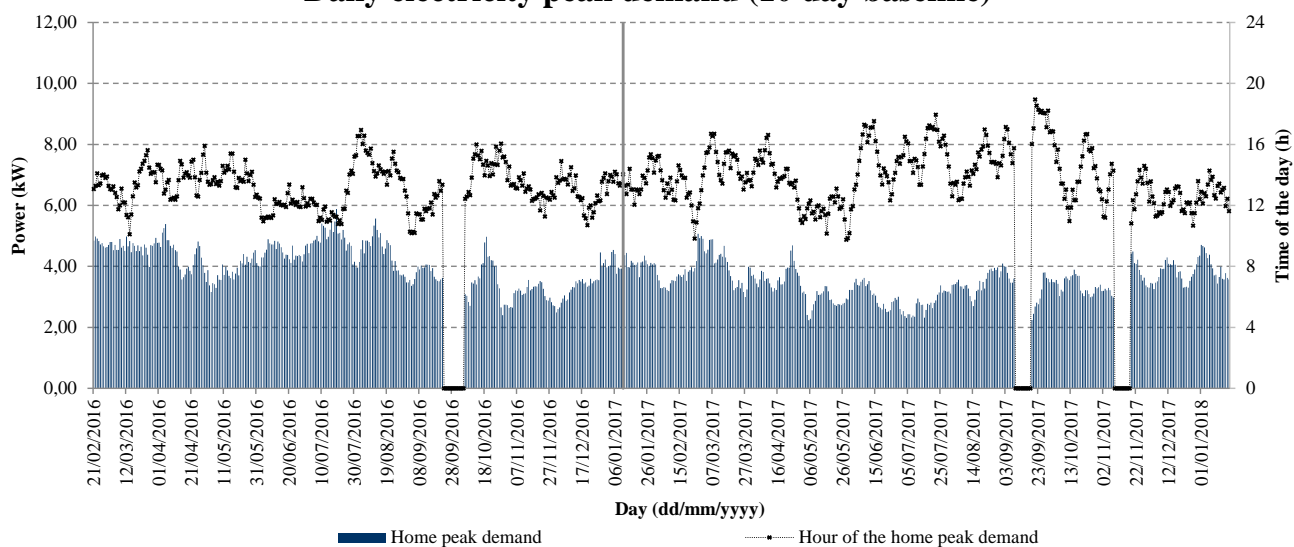
Cumulative electricity consumption



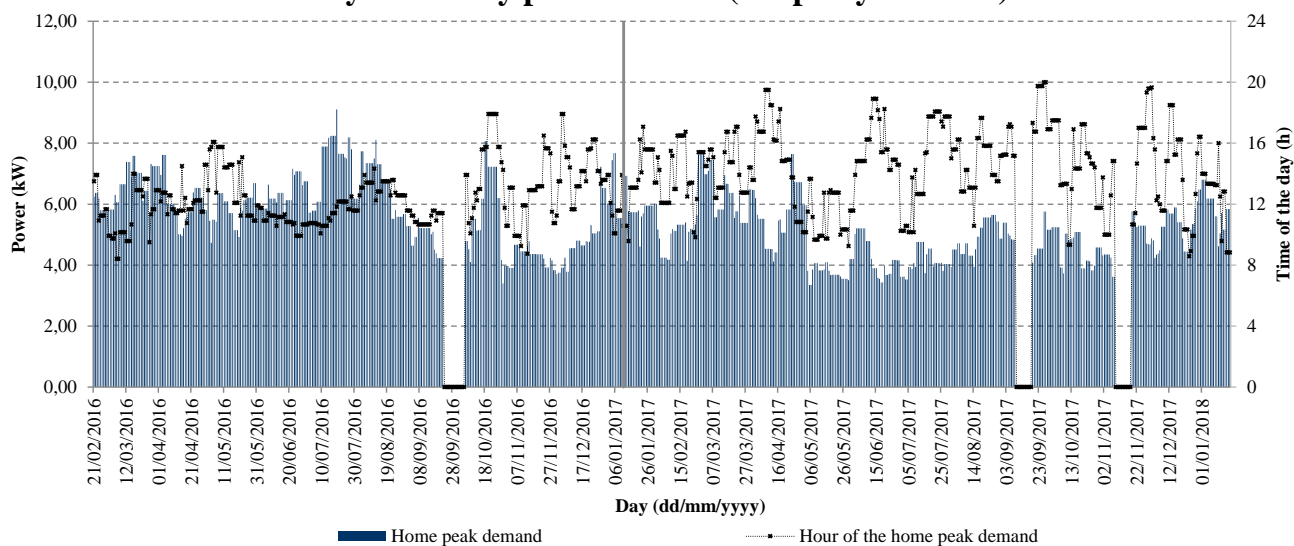
Daily electricity consumption



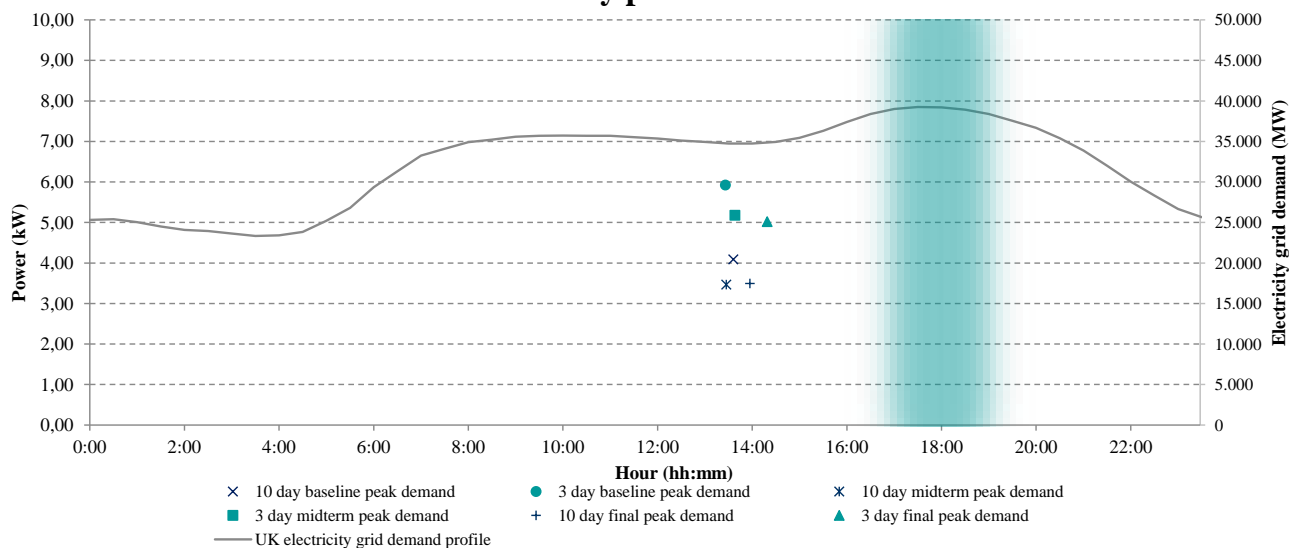
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #057	Dwelling type:	Semi Detached House
Construction period:	1950-1966	Floor area (m²):	80
Number of storeys:	2	Number of habitable rooms:	4
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	68 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	G4		
Location:	Indoor	Distance aggregator-meter (m):	6

Baseline period

Starting date (dd/mm/yyyy):	11/02/2016	Final date (dd/mm/yyyy):	29/01/2017
Heating Degree Days (°C) :	1.778,0		

Electricity

Initial meter reading (kWh):	73.763	Final meter reading (kWh):	76.860
10 day baseline peak demand	Power (kW): 1,83	Time (hh:mm):	15 h 23 min
3 day baseline peak demand	Power (kW): 2,80	Time (hh:mm):	15 h 2 min
Demand at the network peak	Power (kW): 0,98	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	8.690	Final meter reading (m³):	n/a
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Electricity consumption (kWh):	3.097,0
Gas consumption (kWh):	n/a
Total energy consumption (kWh):	n/a

Midterm reporting period			
Starting date (dd/mm/yyyy):	29/01/2017	Final date (dd/mm/yyyy):	30/05/2017
Heating Degree Days (°C) :	730,5		

Electricity

Initial meter reading (kWh):	76.860	Final meter reading (kWh):	77.809
10 day baseline peak demand	Power (kW): 1,81	Time (hh:mm):	15 h 50 min
3 day baseline peak demand	Power (kW): 2,86	Time (hh:mm):	15 h 9 min
Demand at the network peak	Power (kW): 0,99	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	n/a	Final meter reading (m³):	9.413
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Electricity consumption (kWh):	949,0
Gas consumption (kWh):	n/a
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	29/01/2017	Final date (dd/mm/yyyy):	25/01/2018
Heating Degree Days (°C) :	1.616,0		

Electricity

Initial meter reading (kWh):	76.860	Final meter reading (kWh):	79.842
10 day baseline peak demand	Power (kW): 1,86	Time (hh:mm):	15 h 20 min
3 day baseline peak demand	Power (kW): 2,80	Time (hh:mm):	14 h 50 min
Demand at the network peak	Power (kW): 0,97	Time (hh:mm):	17 h 0 min to 19h 0 min

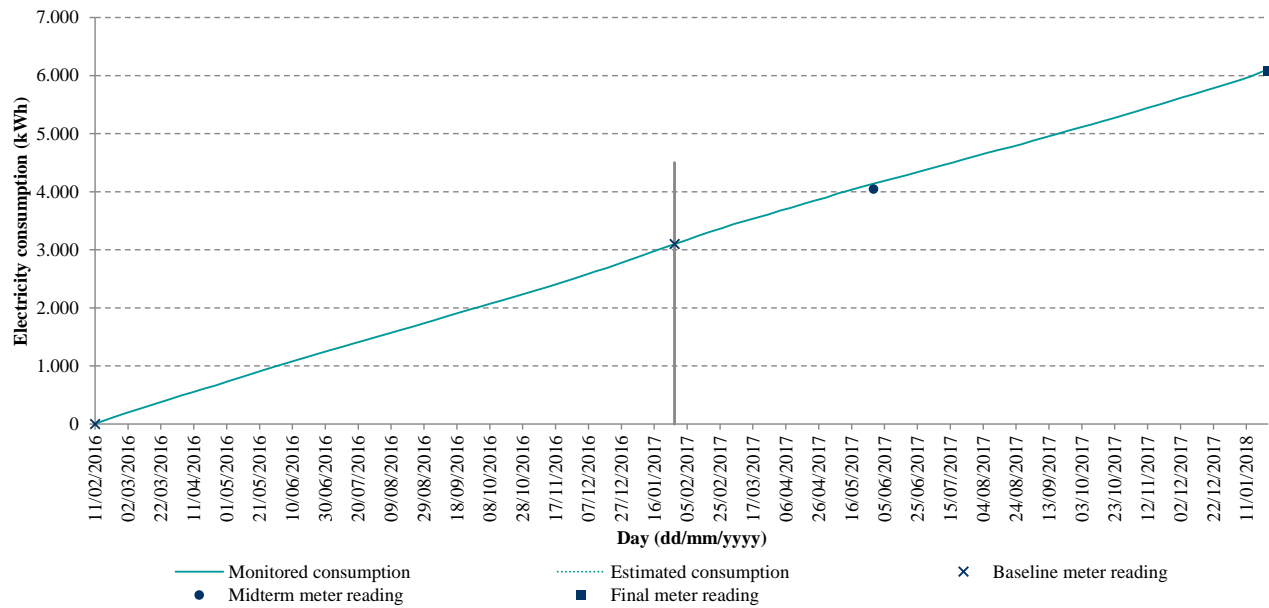
Gas

Initial meter reading (m³):	-	Final meter reading (m³):	9.748
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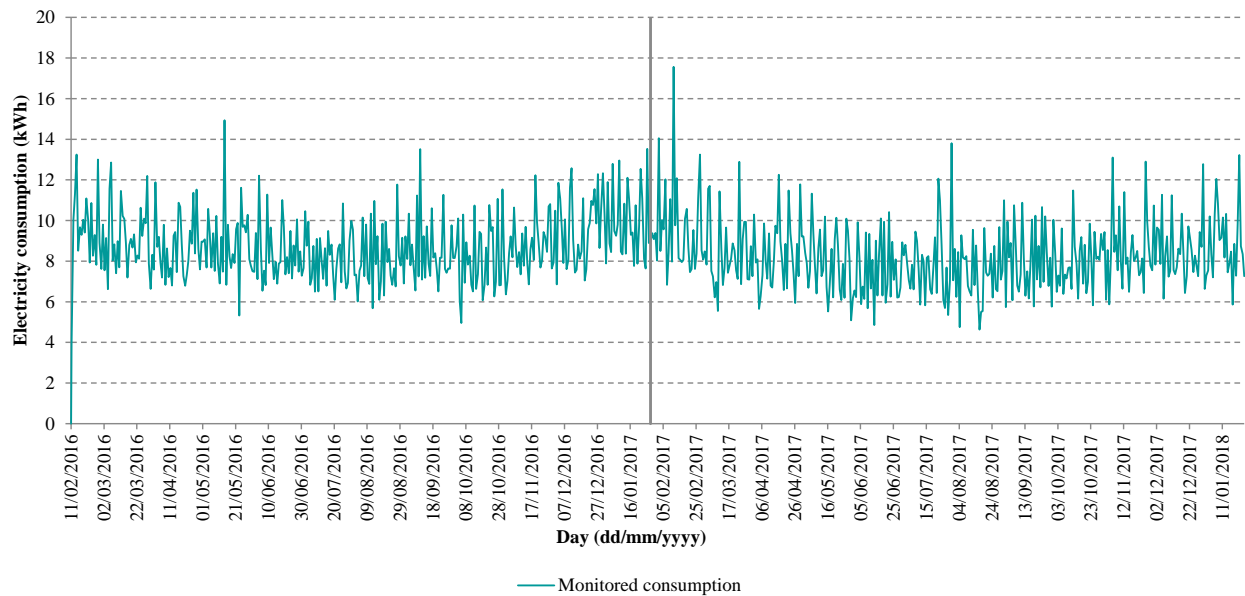
Electricity consumption (kWh):	2.982,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Baseline, midterm and final reporting period

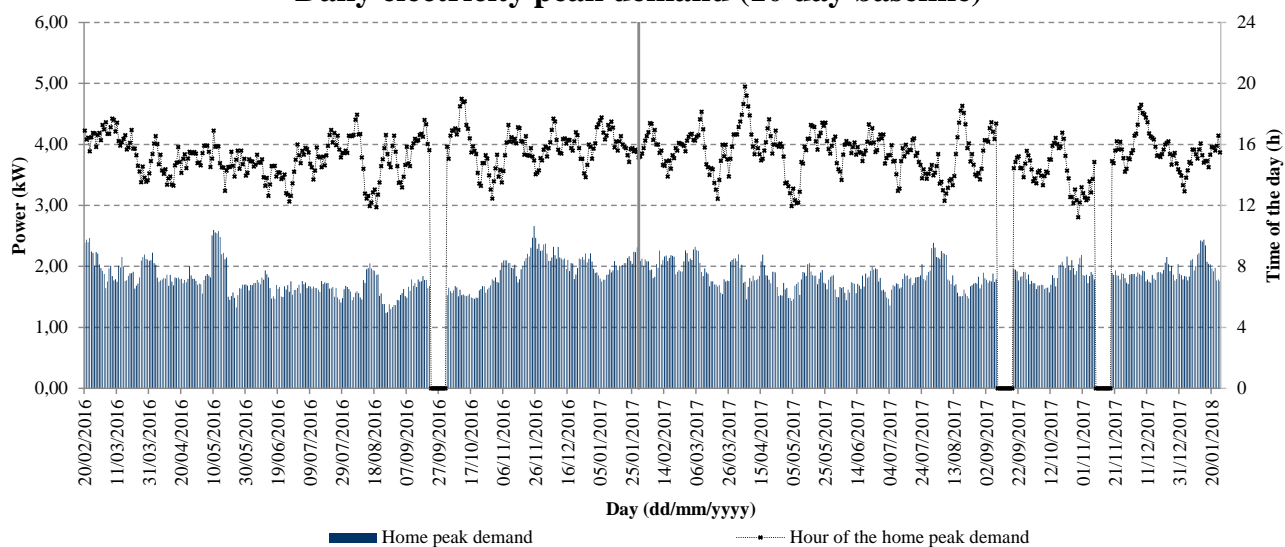
Cumulative electricity consumption



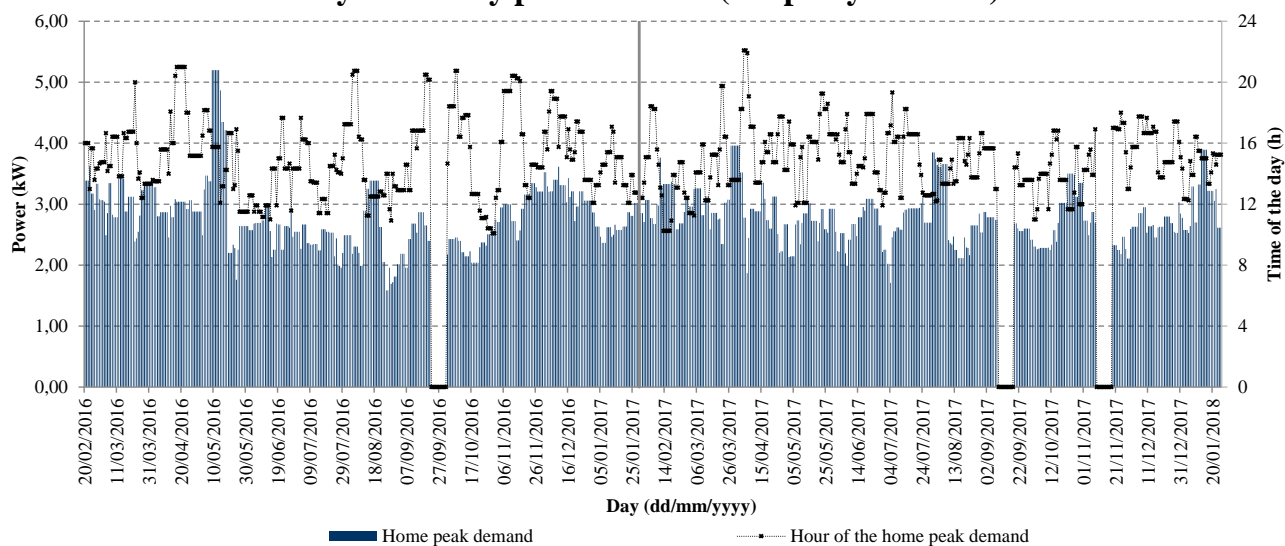
Daily electricity consumption



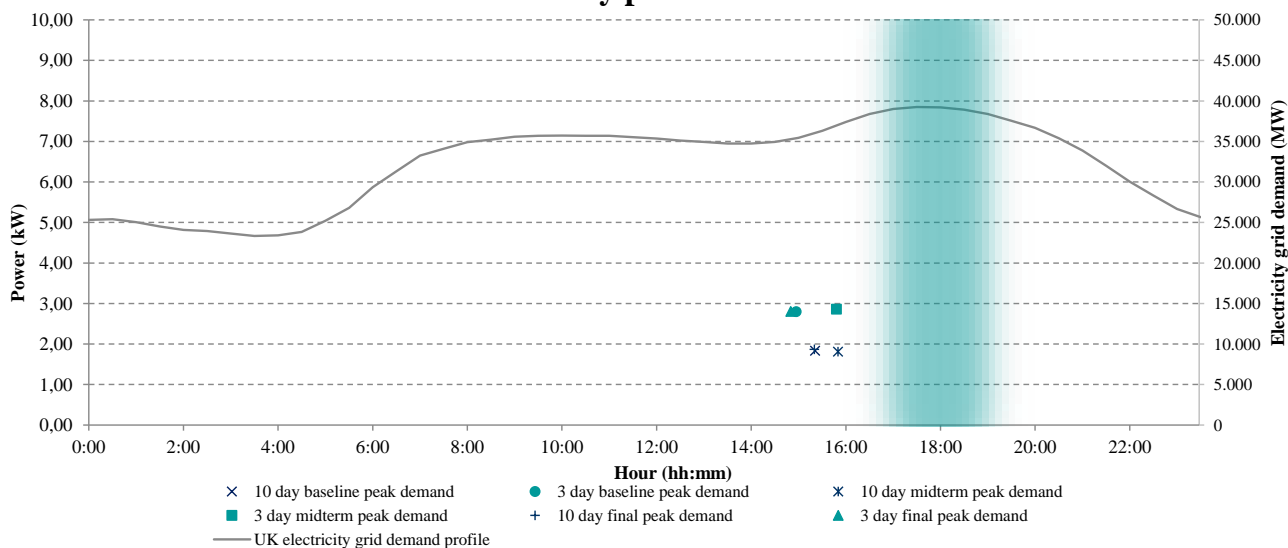
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #058	Dwelling type:	Flat
Construction period:	1976-1982	Floor area (m²):	50
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	75 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Outdoor	Distance aggregator-meter (m):	4

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	G4		
Location:	Outdoor	Distance aggregator-meter (m):	6

Baseline period

Starting date (dd/mm/yyyy):	17/02/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C) :	1.572,0		

Electricity

Initial meter reading (kWh):	9.557	Final meter reading (kWh):	11.444
10 day baseline peak demand	Power (kW): 2,08	Time (hh:mm):	14 h 47 min
3 day baseline peak demand	Power (kW): 3,40	Time (hh:mm):	15 h 50 min
Demand at the network peak	Power (kW): 0,77	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.019	Final meter reading (m³):	1.217
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Electricity consumption (kWh):	1.887,0
Gas consumption (kWh):	2.210,4
Total energy consumption (kWh):	4.097,4

Midterm reporting period			
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Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	05/06/2017
Heating Degree Days (°C) :	863,0		

Electricity

Initial meter reading (kWh):	11.444	Final meter reading (kWh):	12.145
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10 day baseline peak demand	Power (kW):	1,64	Time (hh:mm):	15 h 10 min
3 day baseline peak demand	Power (kW):	2,63	Time (hh:mm):	16 h 56 min
Demand at the network peak	Power (kW):	0,82	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.217	Final meter reading (m³):	1.296
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Electricity consumption (kWh):	701,0
Gas consumption (kWh):	881,9
Total energy consumption (kWh):	1.582,9

Final reporting period			
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Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	18/01/2018
Heating Degree Days (°C) :	1.686,5		

Electricity

Initial meter reading (kWh):	11.444	Final meter reading (kWh):	13.470
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10 day baseline peak demand	Power (kW):	1,94	Time (hh:mm):	14 h 54 min
3 day baseline peak demand	Power (kW):	3,10	Time (hh:mm):	15 h 10 min
Demand at the network peak	Power (kW):	0,76	Time (hh:mm):	17 h 0 min to 19h 0 min

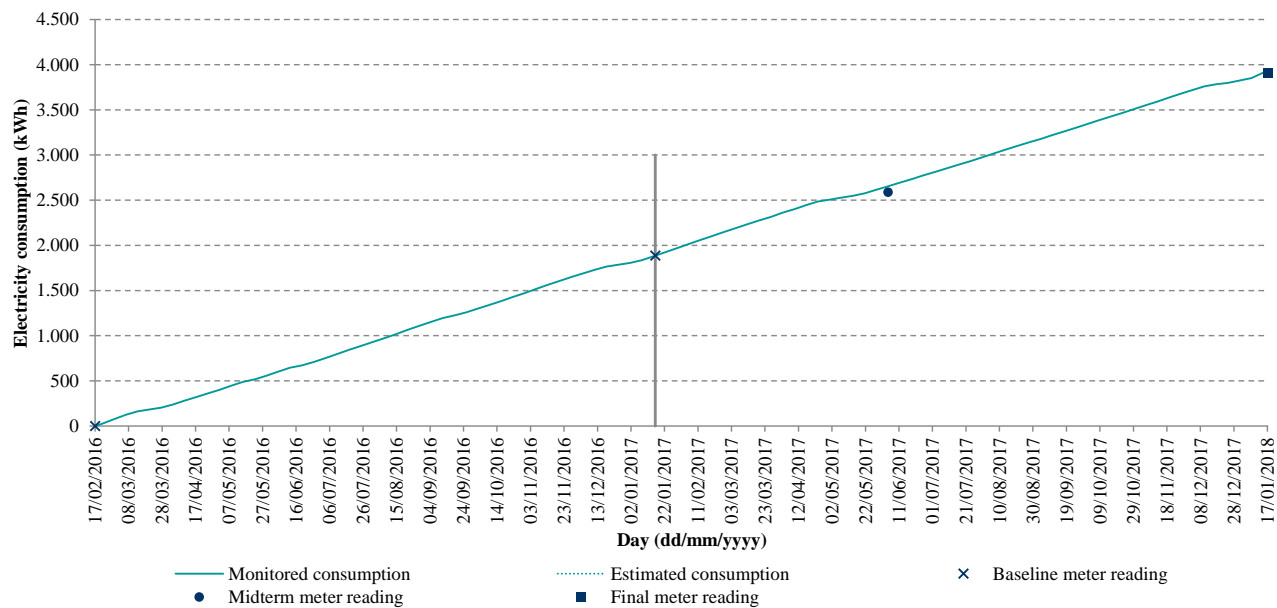
Gas

Initial meter reading (m³):	1.217	Final meter reading (m³):	1.402
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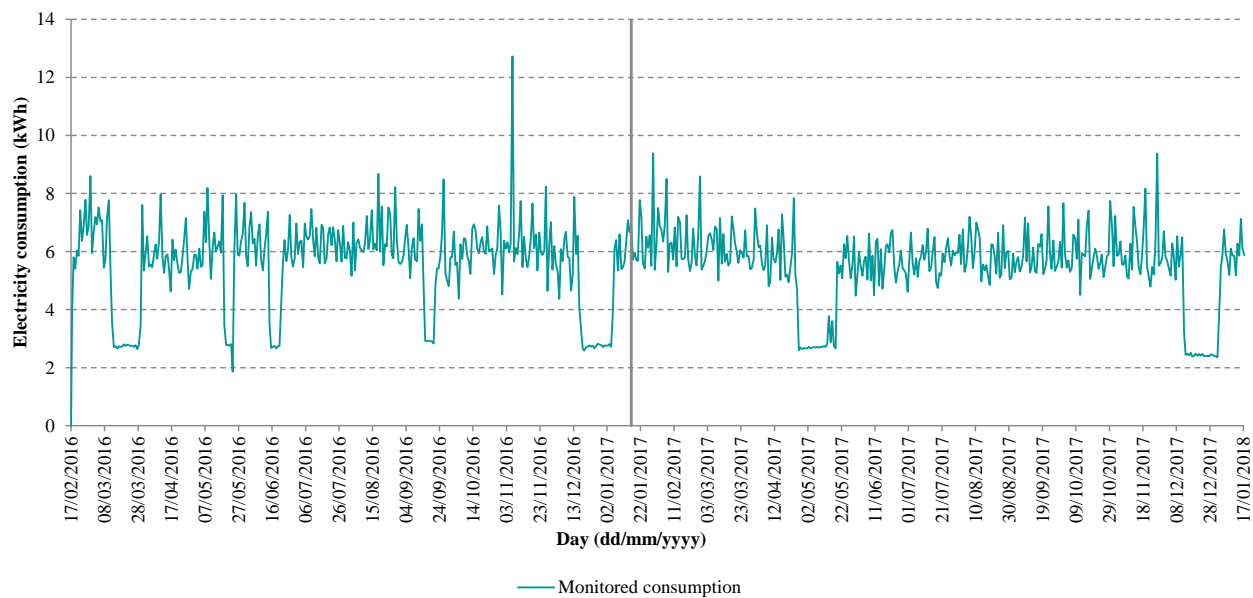
Electricity consumption (kWh):	2.026,0
Gas consumption (kWh):	2.068,4
Total energy consumption (kWh):	4.094,4

Baseline, midterm and final reporting period

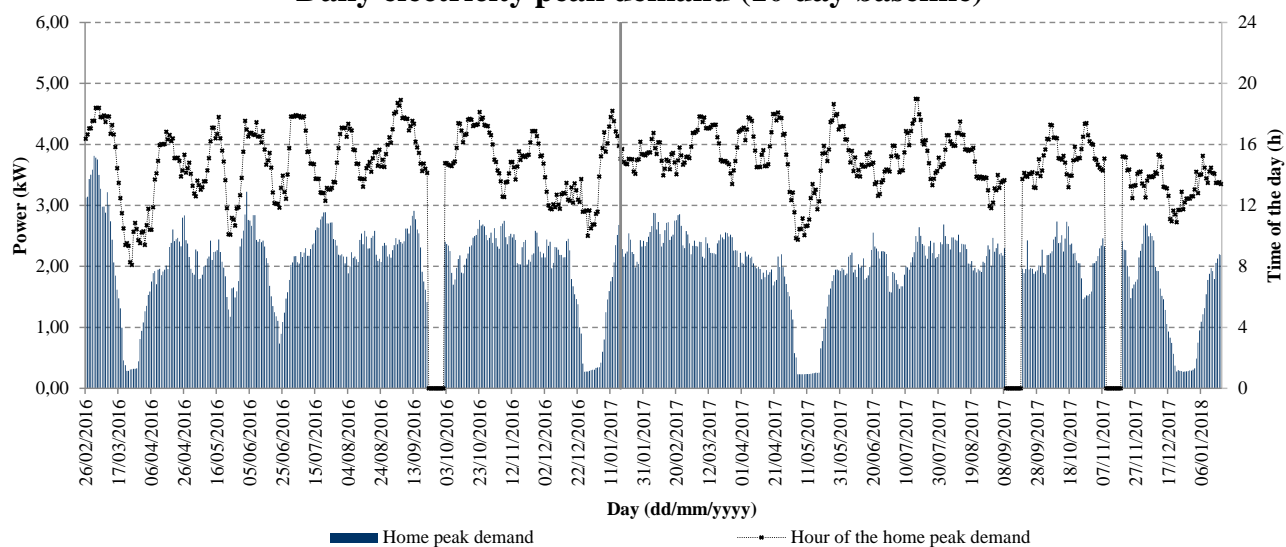
Cumulative electricity consumption



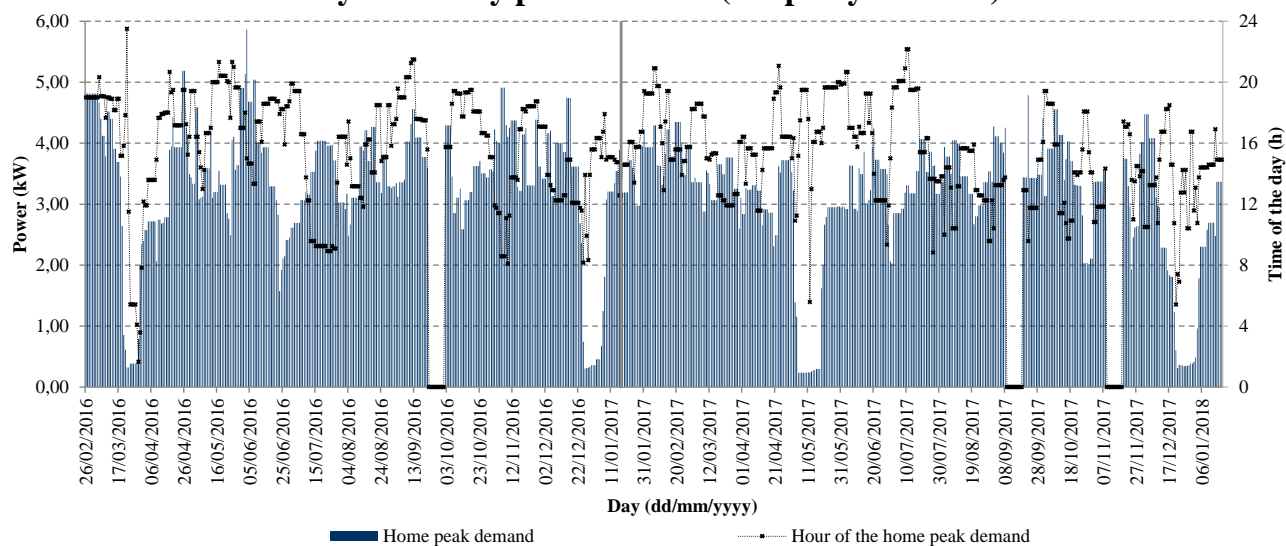
Daily electricity consumption



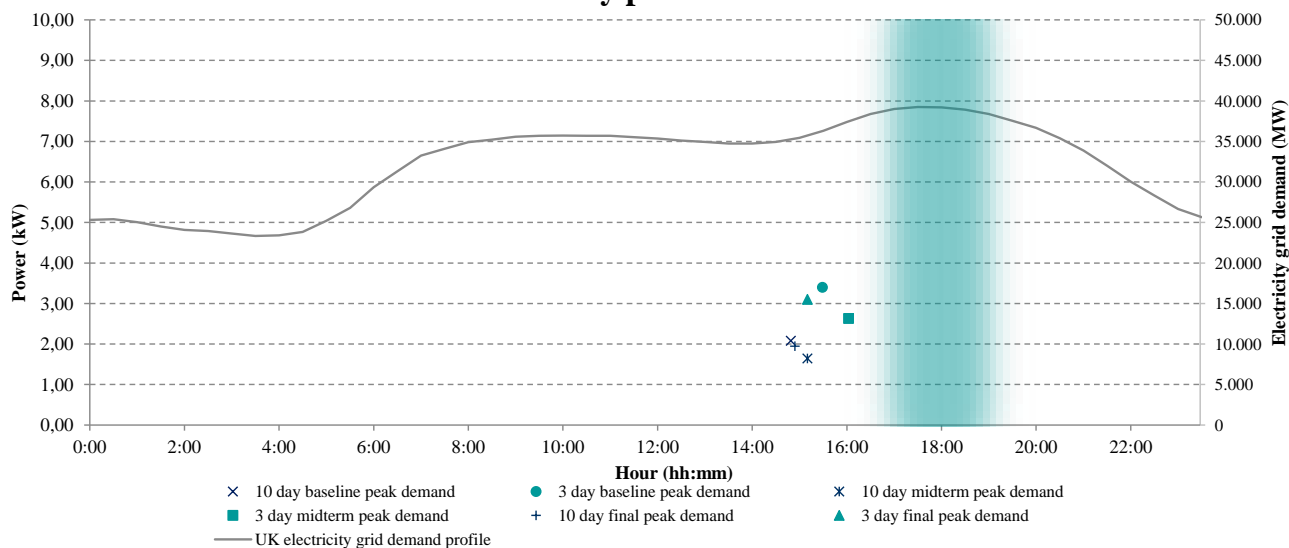
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #059	Dwelling type:	Flat
Construction period:	1991-1995	Floor area (m²):	55
Number of storeys:	1	Number of habitable rooms:	3
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	66 D	Energy:	Electric only
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5235D-N	Conversion factor (impulses/kWh):	1000
Location:	Inside	Distance aggregator-meter (m):	4

Gas infrastructure characteristics

Manufacturer:	-	Type:	-
Model:	-		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	17/03/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1.224,5		

Electricity

Initial meter reading (kWh):	45.172	Final meter reading (kWh):	51.472
10 day baseline peak demand	Power (kW): 3,02	Time (hh:mm):	10 h 2 min
3 day baseline peak demand	Power (kW): 3,74	Time (hh:mm):	11 h 25 min
Demand at the network peak	Power (kW): 1,18	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	6.300,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	6.300,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	51.472	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 3,84	Time (hh:mm):	5 h 20 min
3 day baseline peak demand	Power (kW): 4,42	Time (hh:mm):	4 h 30 min
Demand at the network peak	Power (kW): 1,14	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	4.319,7
Gas consumption (kWh):	-
Total energy consumption (kWh):	4.319,7

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	18/01/2018
Heating Degree Days (°C) :	1.739,5		

Electricity

Initial meter reading (kWh):	51.472	Final meter reading (kWh):	61.535
10 day baseline peak demand	Power (kW): 4,59	Time (hh:mm):	8 h 11 min
3 day baseline peak demand	Power (kW): 5,59	Time (hh:mm):	8 h 17 min
Demand at the network peak	Power (kW): 1,25	Time (hh:mm):	17 h 0 min to 19h 0 min

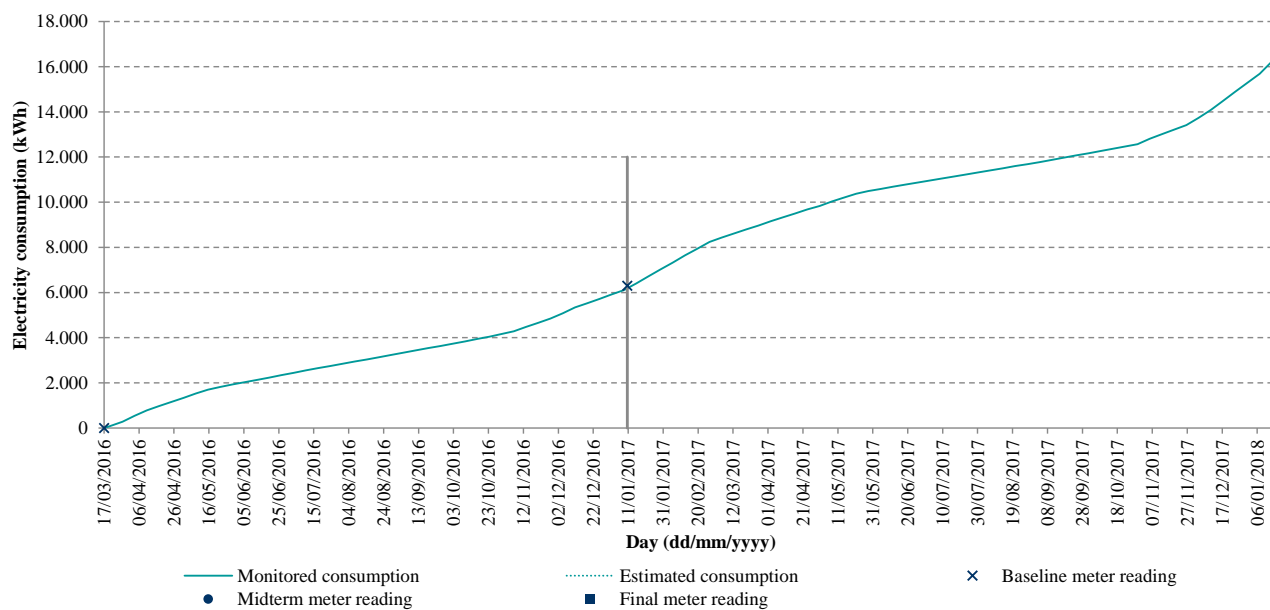
Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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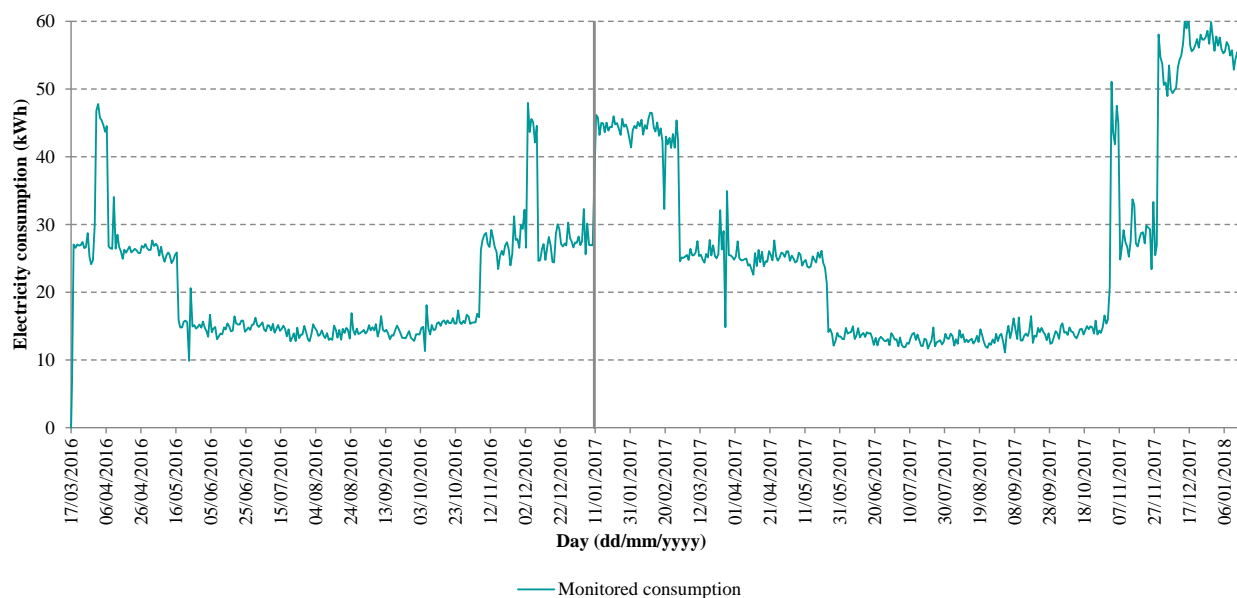
Electricity consumption (kWh):	10.063,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	10.063,0

Baseline, midterm and final reporting period

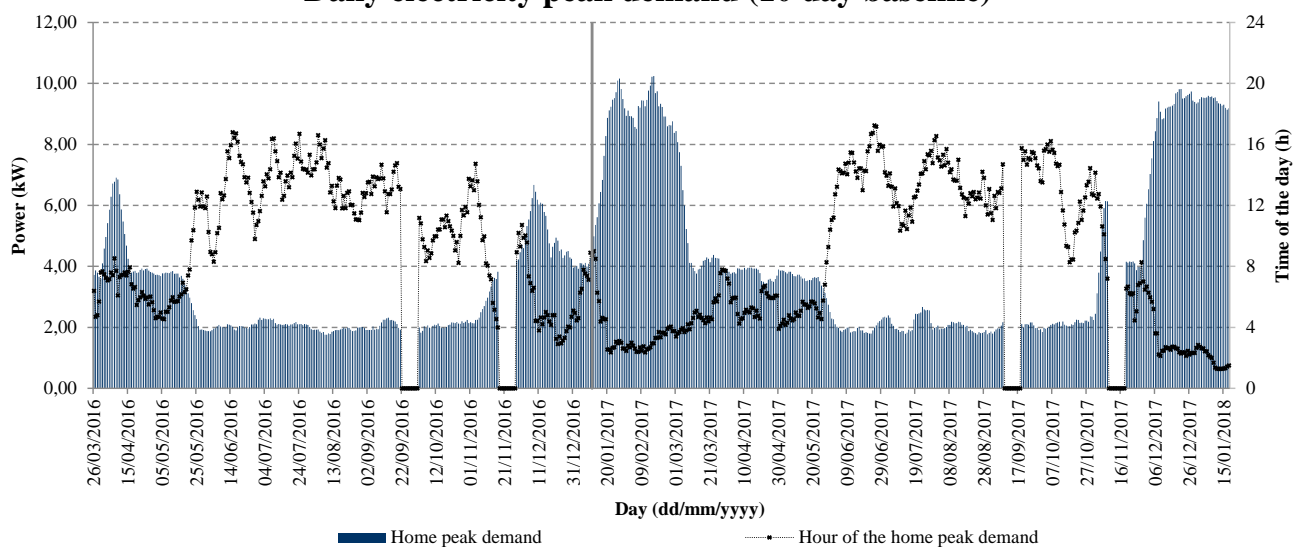
Cumulative electricity consumption



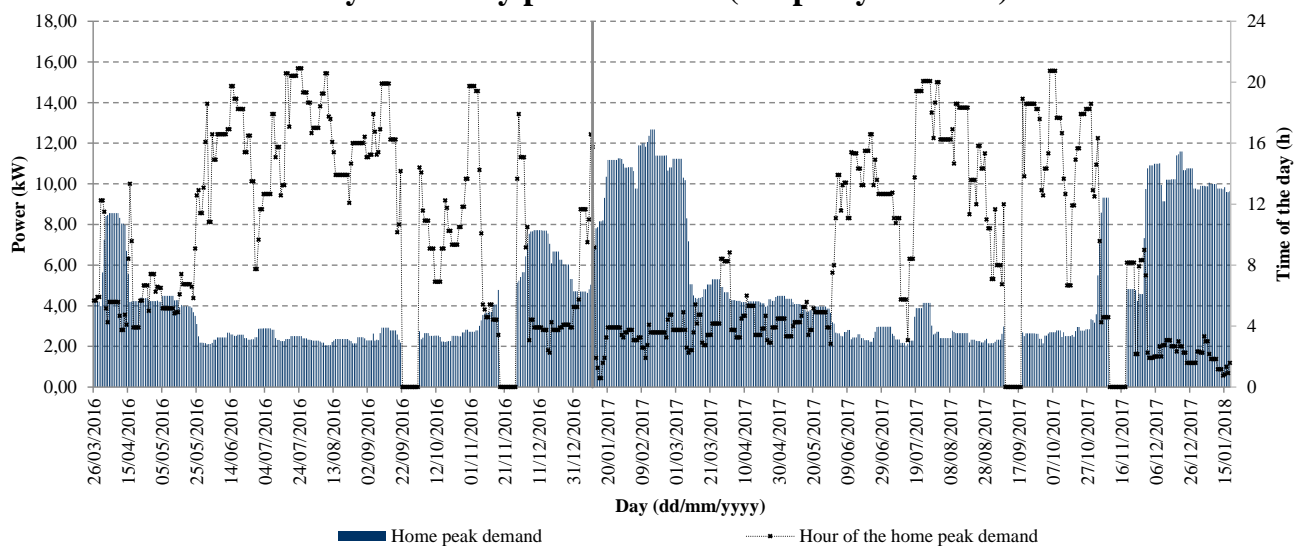
Daily electricity consumption



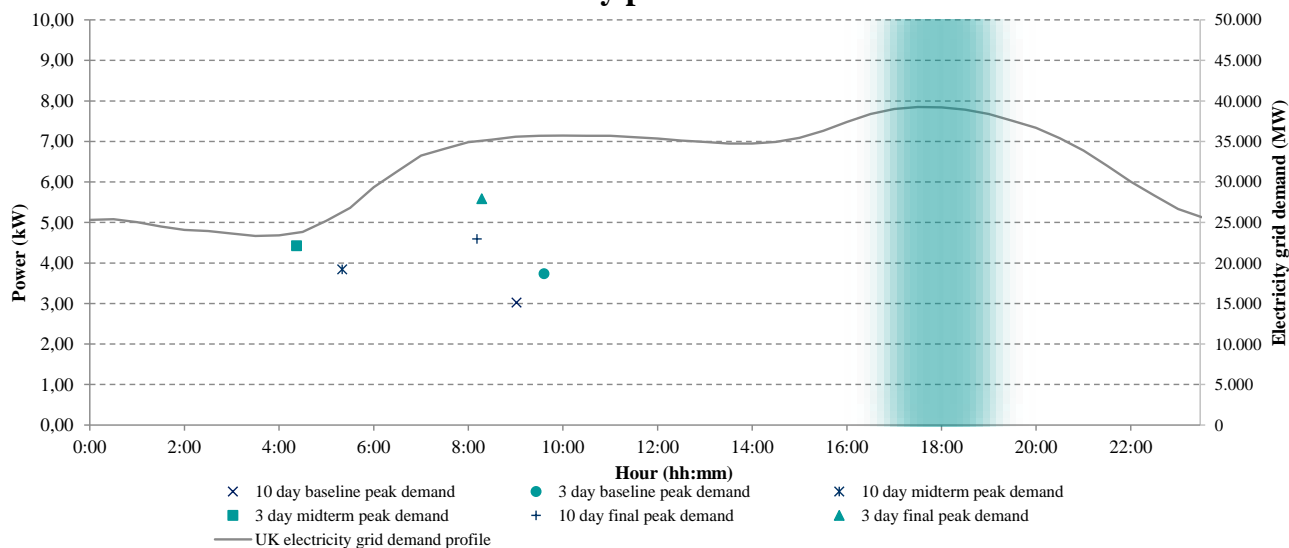
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #060	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	69
Number of storeys:	2	Number of habitable rooms:	3
Household size:	1	Internet:	No

Energy characteristics

SAP:	69 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	British electric	Type:	Analogue
Model:	-	Conversion factor (impulses/kWh):	200
Location:	Outdoor	Distance aggregator-meter (m):	1.5

Gas infrastructure characteristics

Manufacturer:	Schlumberger	Type:	Analogue
Model:	-		
Location:	Outdoor	Distance aggregator-meter (m):	3

Baseline period

Starting date (dd/mm/yyyy):	15/02/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	1553,5		

Electricity

Initial meter reading (kWh):	77.915	Final meter reading (kWh):	78.808
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	142	Final meter reading (m³):	145
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Electricity consumption (kWh):	893,0
Gas consumption (kWh):	40,8
Total energy consumption (kWh):	933,8

Midterm reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	30/05/2017
Heating Degree Days (°C) :	900		

Electricity

Initial meter reading (kWh):	78.808	Final meter reading (kWh):	79.172
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	145	Final meter reading (m³):	147
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Electricity consumption (kWh):	364,0
Gas consumption (kWh):	16,1
Total energy consumption (kWh):	380,1

Final reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	26/01/2018
Heating Degree Days (°C) :	1794		

Electricity

Initial meter reading (kWh):	78.808	Final meter reading (kWh):	79.862
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

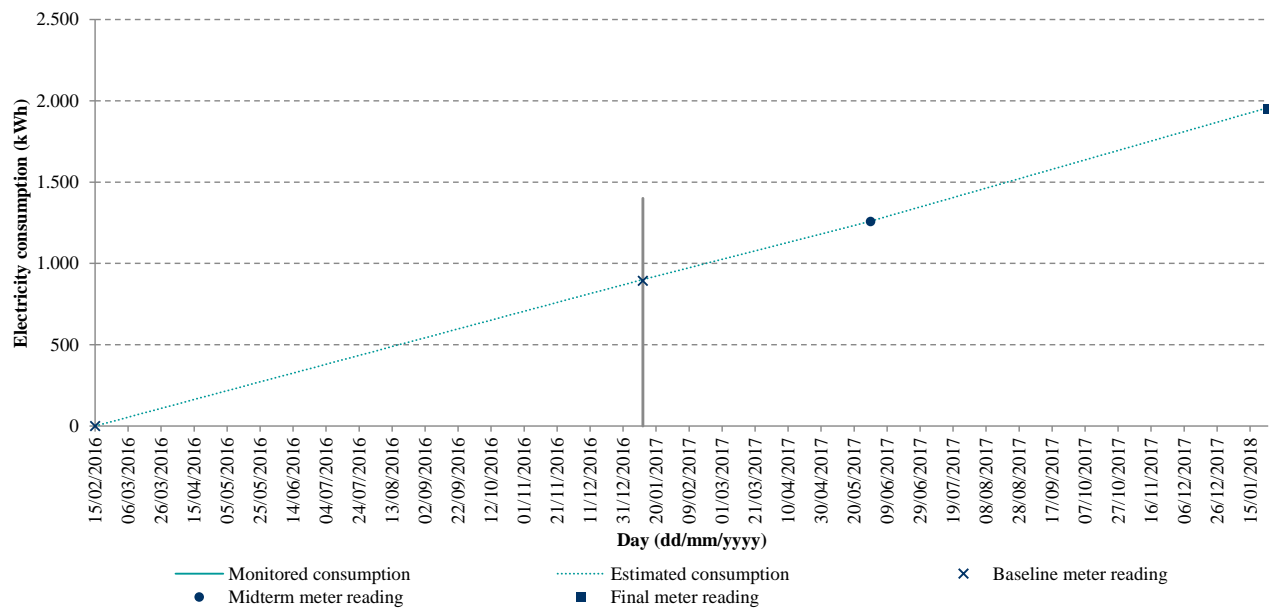
Gas

Initial meter reading (m³):	145	Final meter reading (m³):	149
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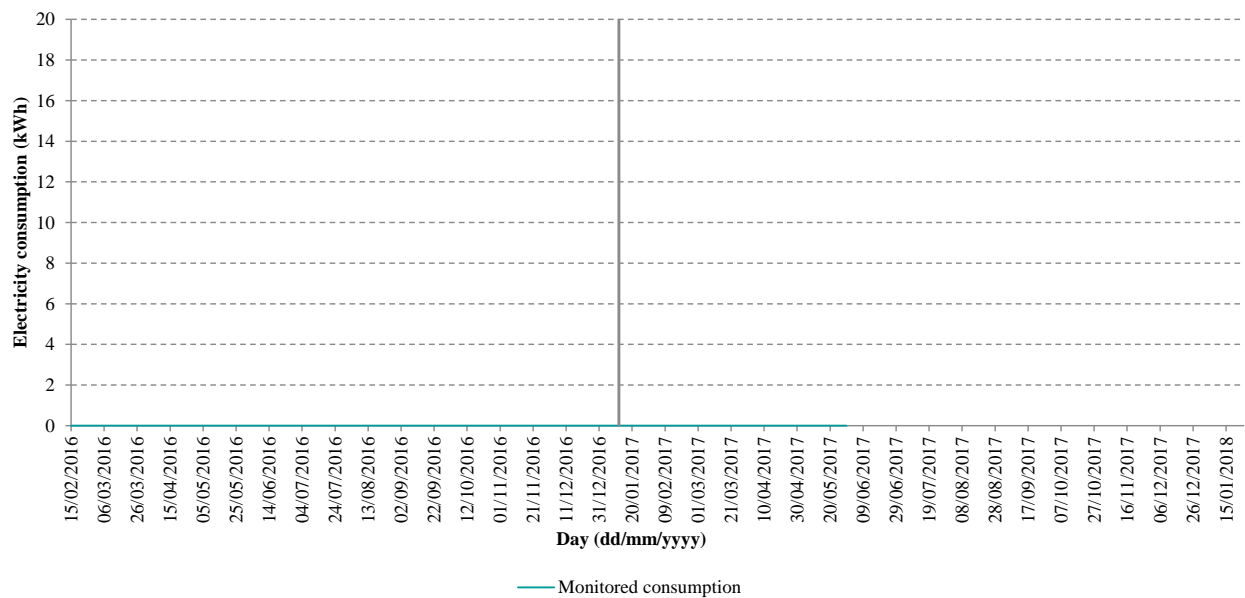
Electricity consumption (kWh):	1.053,6
Gas consumption (kWh):	45,5
Total energy consumption (kWh):	1.099,1

Baseline, midterm and final reporting period

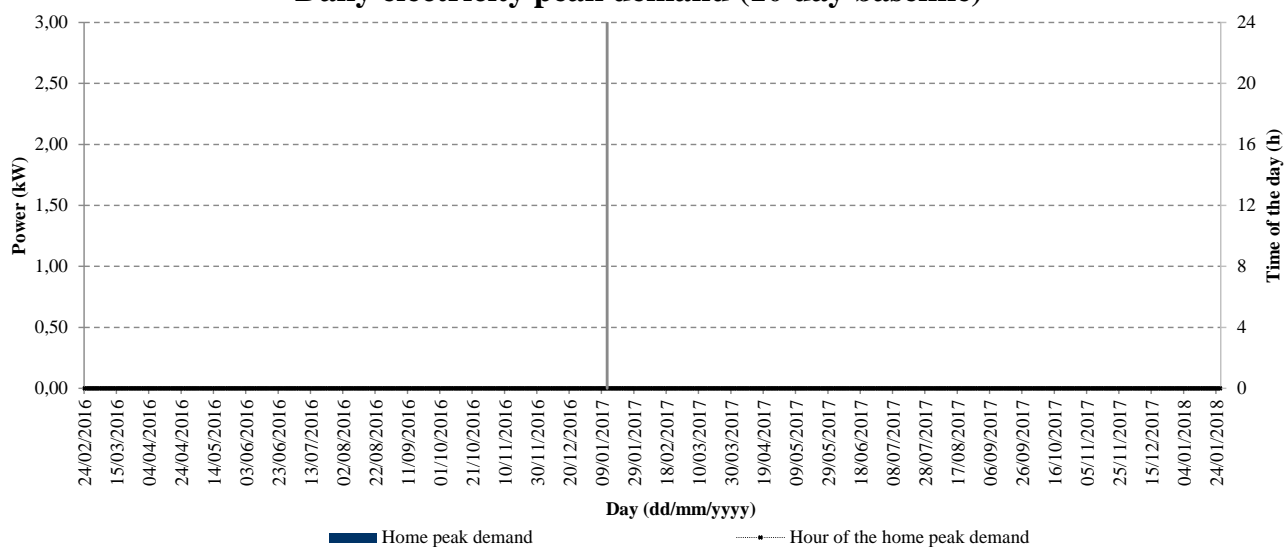
Cumulative electricity consumption



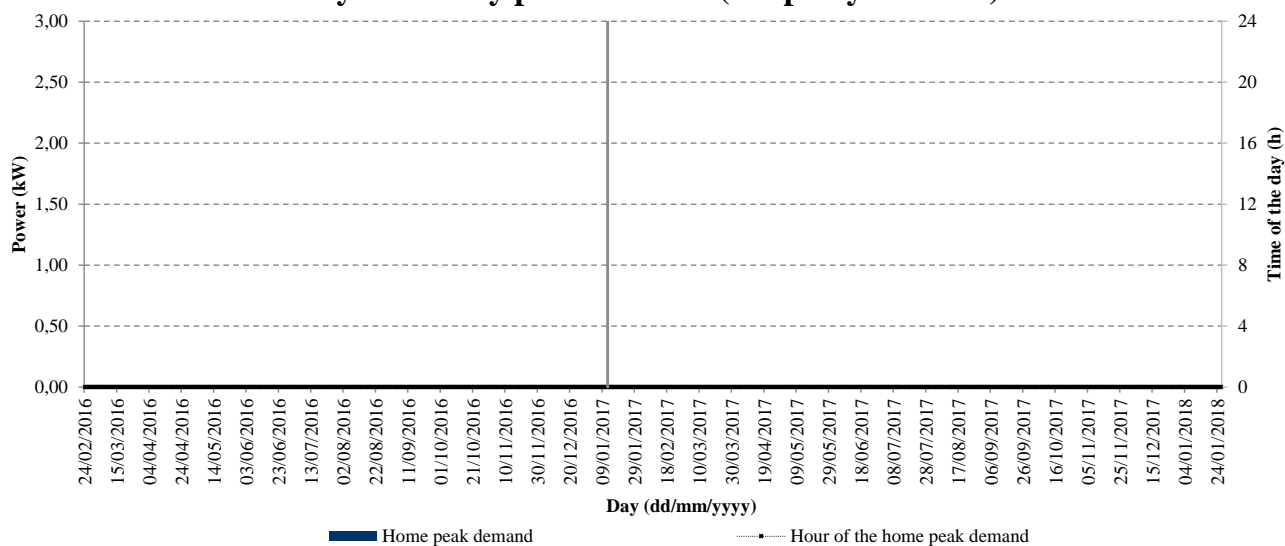
Daily electricity consumption



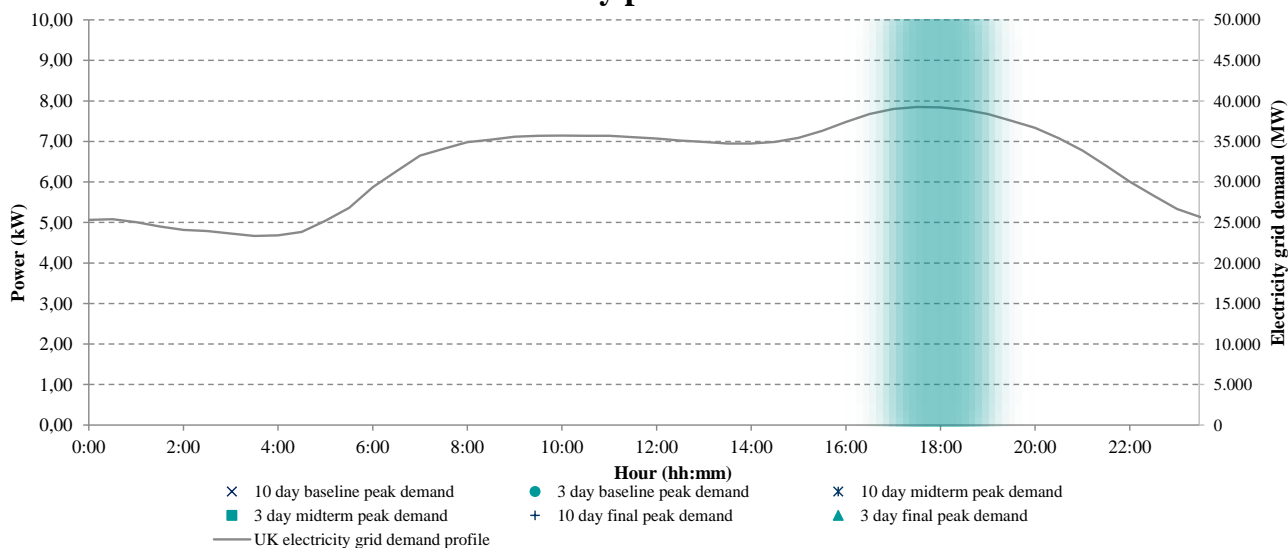
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #061	Dwelling type:	Mid Terrace House
Construction period:	1967-1975	Floor area (m²):	80
Number of storeys:	2	Number of habitable rooms:	3
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	55 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Outdoor	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Krom/Schroder	Type:	Analogue
Model:	G4		
Location:	Outdoor	Distance aggregator-meter (m):	6

Baseline period

Starting date (dd/mm/yyyy):	15/02/2016	Final date (dd/mm/yyyy):	18/01/2017
Heating Degree Days (°C) :	1609,5		

Electricity

Initial meter reading (kWh):	49.398	Final meter reading (kWh):	52.001
10 day baseline peak demand	Power (kW): 1,98	Time (hh:mm):	15 h 13 min
3 day baseline peak demand	Power (kW): 3,47	Time (hh:mm):	15 h 8 min
Demand at the network peak	Power (kW): 0,85	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	5.605	Final meter reading (m³):	5.958
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Electricity consumption (kWh):	2.603,4
Gas consumption (kWh):	3.940,8
Total energy consumption (kWh):	6.544,2

Midterm reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	08/06/2017
Heating Degree Days (°C) :	862		

Electricity

Initial meter reading (kWh):	52.001	Final meter reading (kWh):	53.178
10 day baseline peak demand	Power (kW): 1,95	Time (hh:mm):	15 h 31 min
3 day baseline peak demand	Power (kW): 3,43	Time (hh:mm):	14 h 36 min
Demand at the network peak	Power (kW): 0,91	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	5.958	Final meter reading (m³):	6.127
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Electricity consumption (kWh):	1.177,0
Gas consumption (kWh):	1.886,7
Total energy consumption (kWh):	3.063,7

Final reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	19/01/2018
Heating Degree Days (°C) :	1689,5		

Electricity

Initial meter reading (kWh):	52.001	Final meter reading (kWh):	55.077
10 day baseline peak demand	Power (kW): 2,05	Time (hh:mm):	15 h 32 min
3 day baseline peak demand	Power (kW): 3,62	Time (hh:mm):	14 h 24 min
Demand at the network peak	Power (kW): 0,89	Time (hh:mm):	17 h 0 min to 19h 0 min

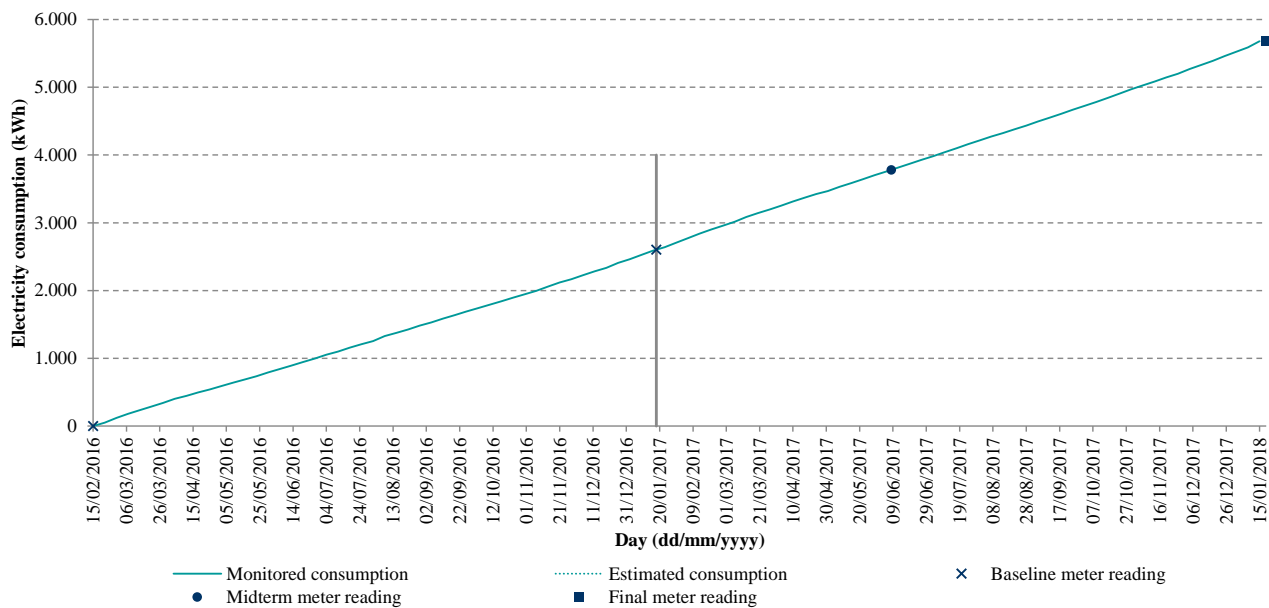
Gas

Initial meter reading (m³):	5.958	Final meter reading (m³):	6.344
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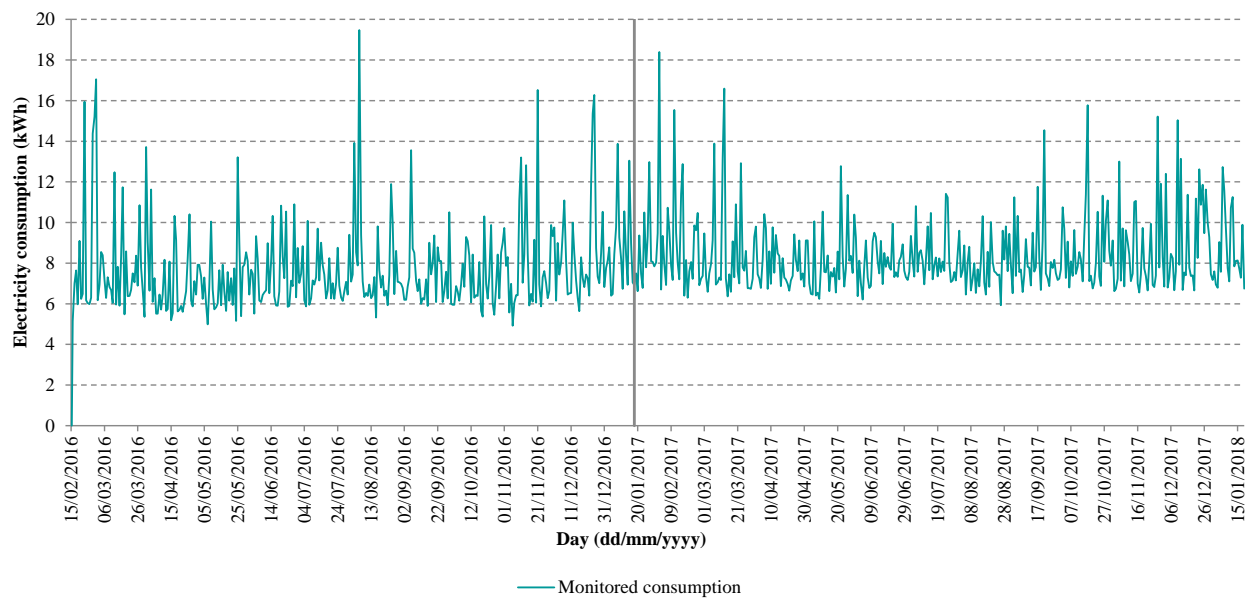
Electricity consumption (kWh):	3.076,0
Gas consumption (kWh):	4.308,2
Total energy consumption (kWh):	7.384,2

Baseline, midterm and final reporting period

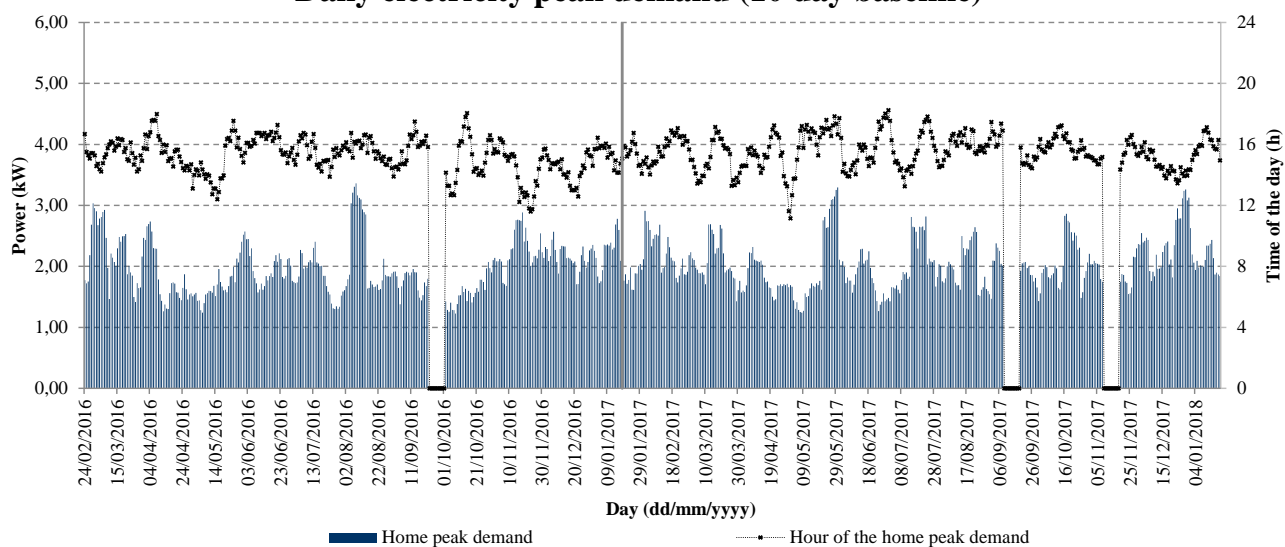
Cumulative electricity consumption



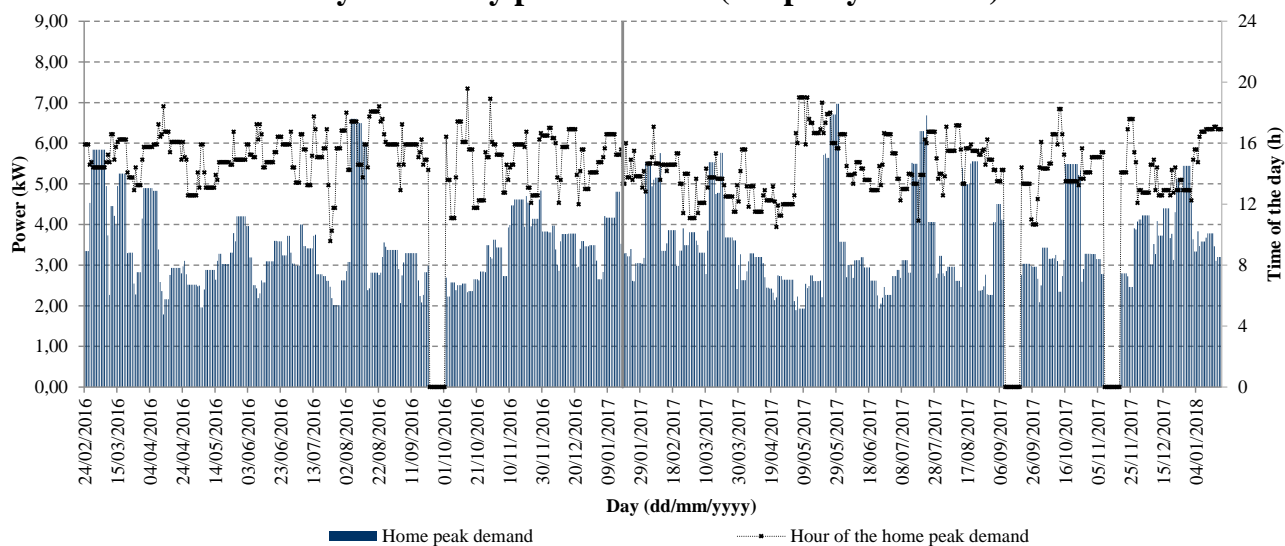
Daily electricity consumption



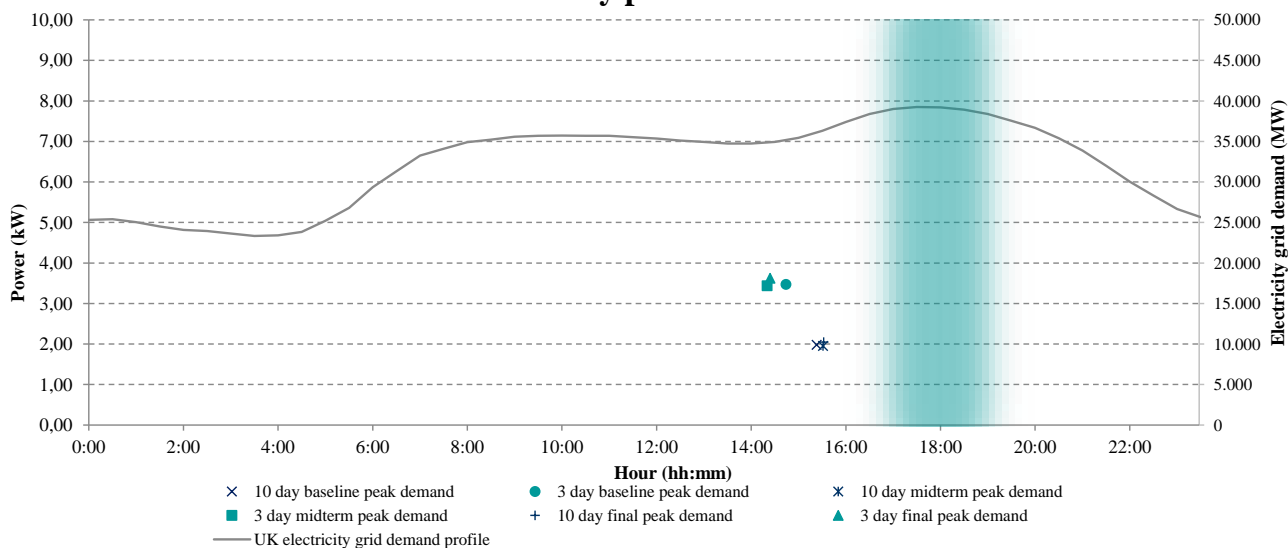
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #062	Dwelling type:	Mid Terrace House
Construction period:	1967-1975	Floor area (m²):	115
Number of storeys:	1	Number of habitable rooms:	3
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	72 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	-	Type:	Analogue
Model:	-	Conversion factor (impulses/kWh):	200
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Schlumberger	Type:	Analogue
Model:	G4		
Location:	Indoor	Distance aggregator-meter (m):	1

Baseline period

Starting date (dd/mm/yyyy):	25/05/2016	Final date (dd/mm/yyyy):	18/01/2017
Heating Degree Days (°C) :	822		

Electricity

Initial meter reading (kWh):	43.001	Final meter reading (kWh):	45.805
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	11.119	Final meter reading (m³):	11.557
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Electricity consumption (kWh):	2.804,0
Gas consumption (kWh):	4.889,8
Total energy consumption (kWh):	7.693,8

Midterm reporting period			
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Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity			
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Initial meter reading (kWh):	45.805	Final meter reading (kWh):	-
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	11.557	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
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Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	19/01/2018
Heating Degree Days (°C) :	1689,5		

Electricity			
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Initial meter reading (kWh):	45.805	Final meter reading (kWh):	48.469
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

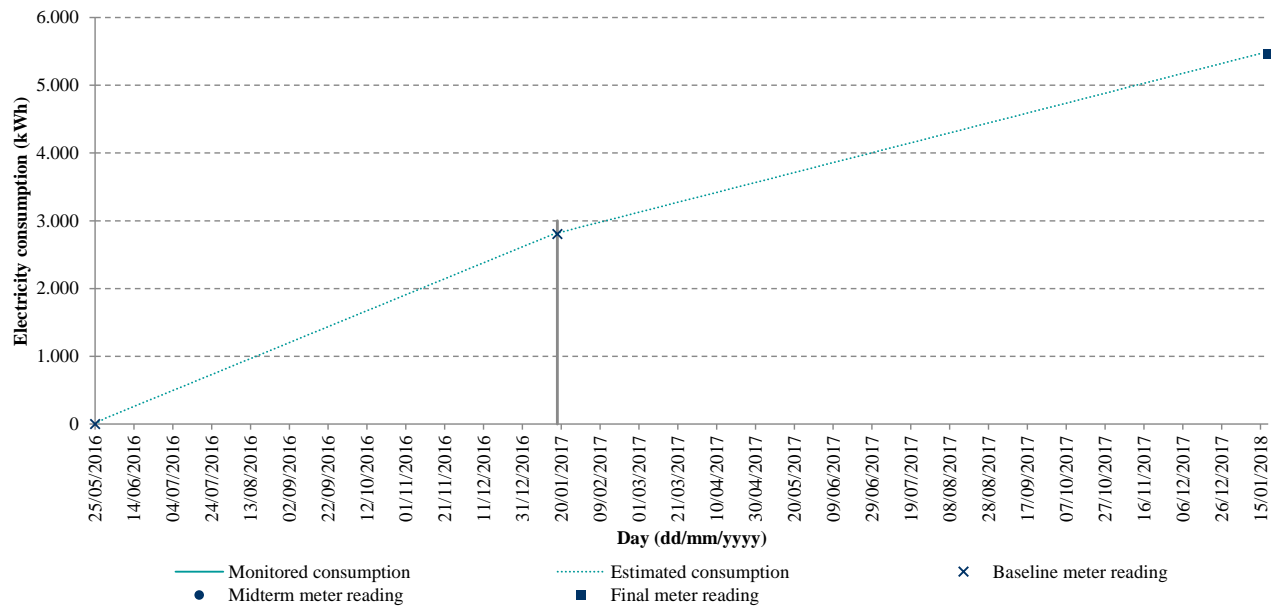
Gas			
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Initial meter reading (m³):	11.557	Final meter reading (m³):	154
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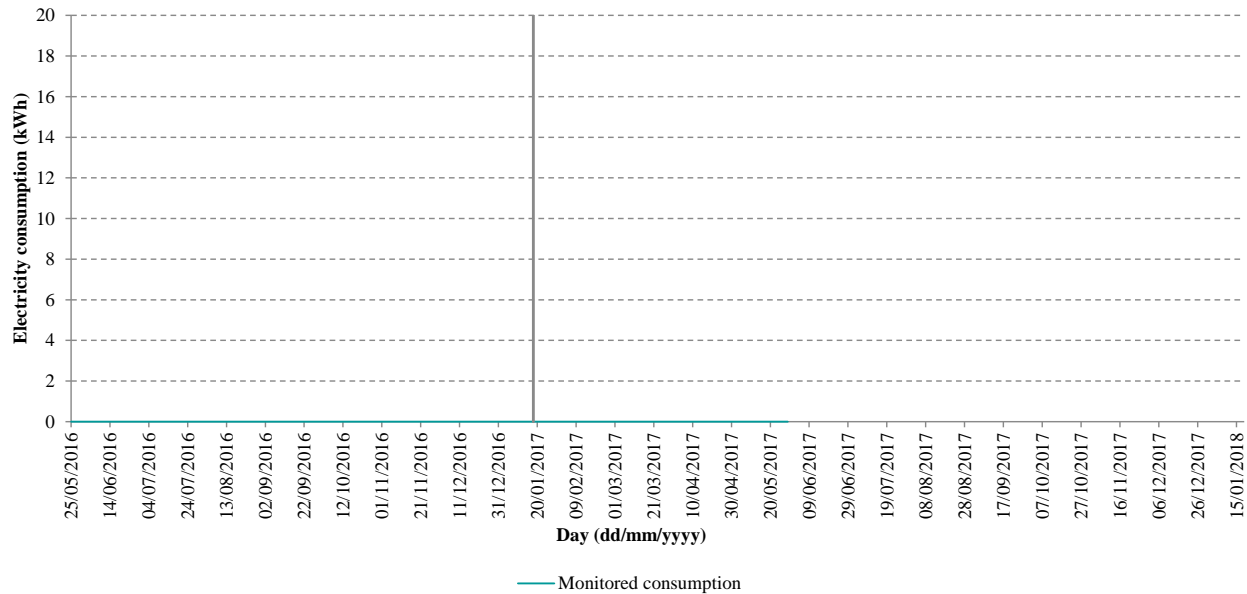
Electricity consumption (kWh):	2.664,4
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Baseline, midterm and final reporting period

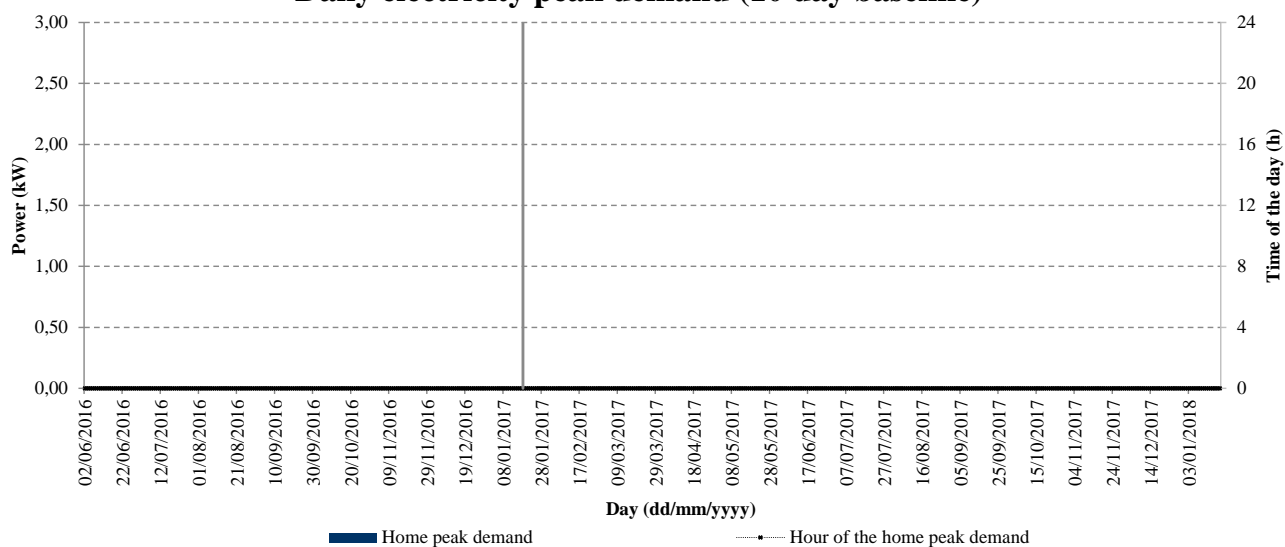
Cumulative electricity consumption



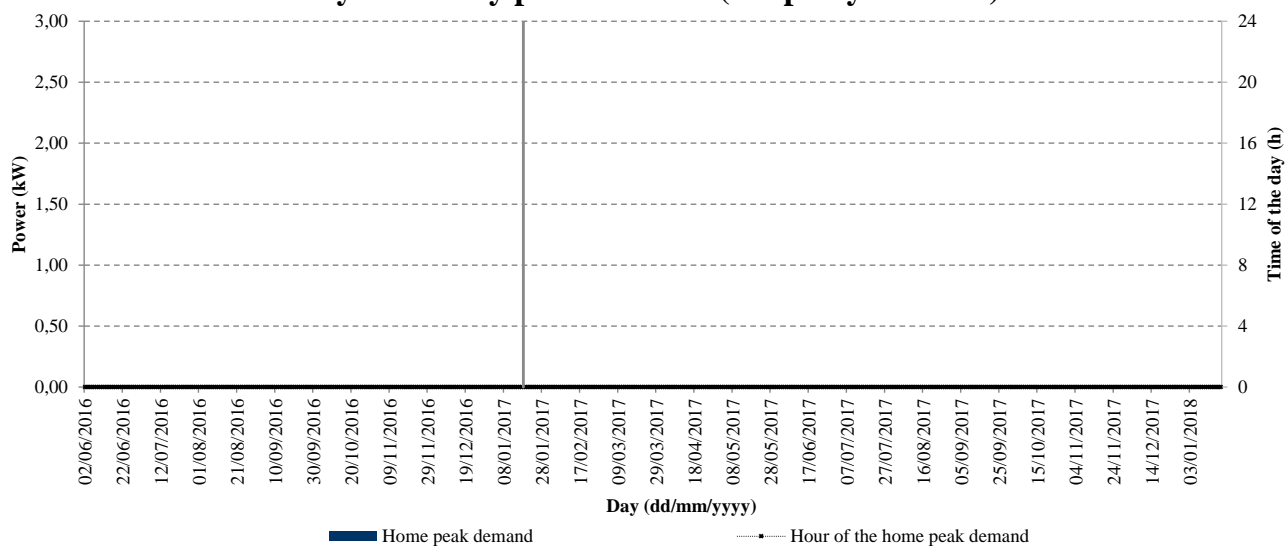
Daily electricity consumption



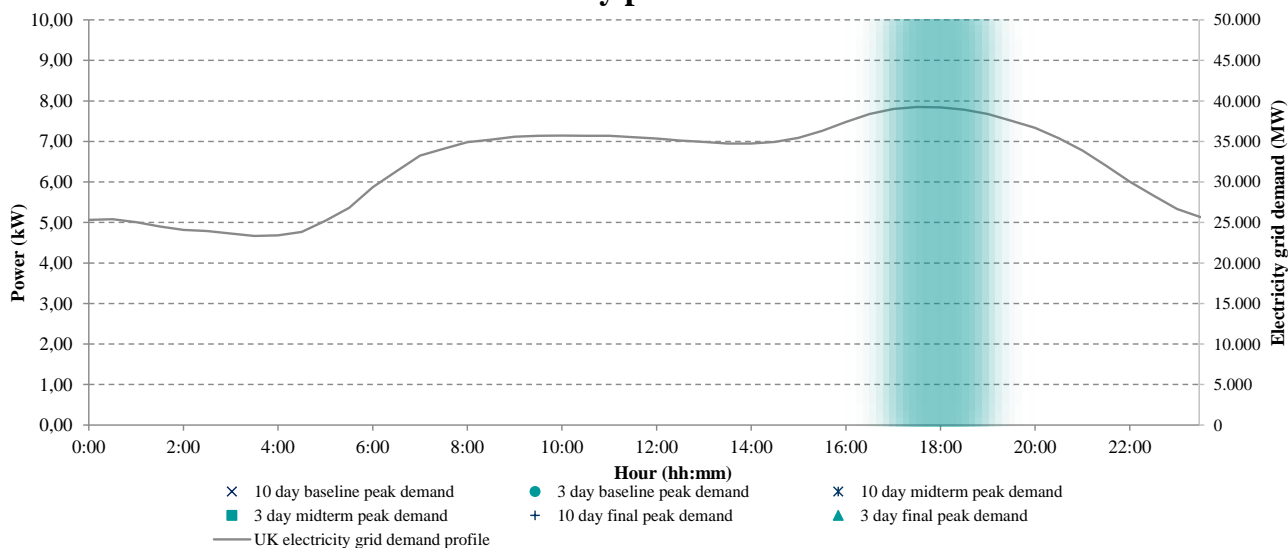
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #063	Dwelling type:	Semi Detached House
Construction period:	1967-1975	Floor area (m²):	87
Number of storeys:	1	Number of habitable rooms:	4
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	71 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Actaris	Type:	Pre-payment
Model:	ACE9000 KBD	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	0.5

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	G4		
Location:	Indoor	Distance aggregator-meter (m):	4

Baseline period

Starting date (dd/mm/yyyy):	15/02/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C) :	1599		

Electricity

Initial meter reading (kWh):	24.069	Final meter reading (kWh):	27.183
10 day baseline peak demand	Power (kW): 1,50	Time (hh:mm):	14 h 47 min
3 day baseline peak demand	Power (kW): 2,35	Time (hh:mm):	13 h 51 min
Demand at the network peak	Power (kW): 0,73	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	11.685	Final meter reading (m³):	12.732
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Electricity consumption (kWh):	3.114,0
Gas consumption (kWh):	11.688,5
Total energy consumption (kWh):	14.802,5

Midterm reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	07/06/2017
Heating Degree Days (°C) :	869		

Electricity

Initial meter reading (kWh):	27.183	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 1,45	Time (hh:mm):	15 h 30 min
3 day baseline peak demand	Power (kW): 2,23	Time (hh:mm):	15 h 39 min
Demand at the network peak	Power (kW): 0,73	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	12.732	Final meter reading (m³):	13.291
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Electricity consumption (kWh):	1.294,4
Gas consumption (kWh):	6.240,6
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	24/01/2018
Heating Degree Days (°C) :	1730,5		

Electricity

Initial meter reading (kWh):	27.183	Final meter reading (kWh):	30.153
10 day baseline peak demand	Power (kW): 1,46	Time (hh:mm):	18 h 2 min
3 day baseline peak demand	Power (kW): 2,24	Time (hh:mm):	17 h 36 min
Demand at the network peak	Power (kW): 0,55	Time (hh:mm):	17 h 0 min to 19h 0 min

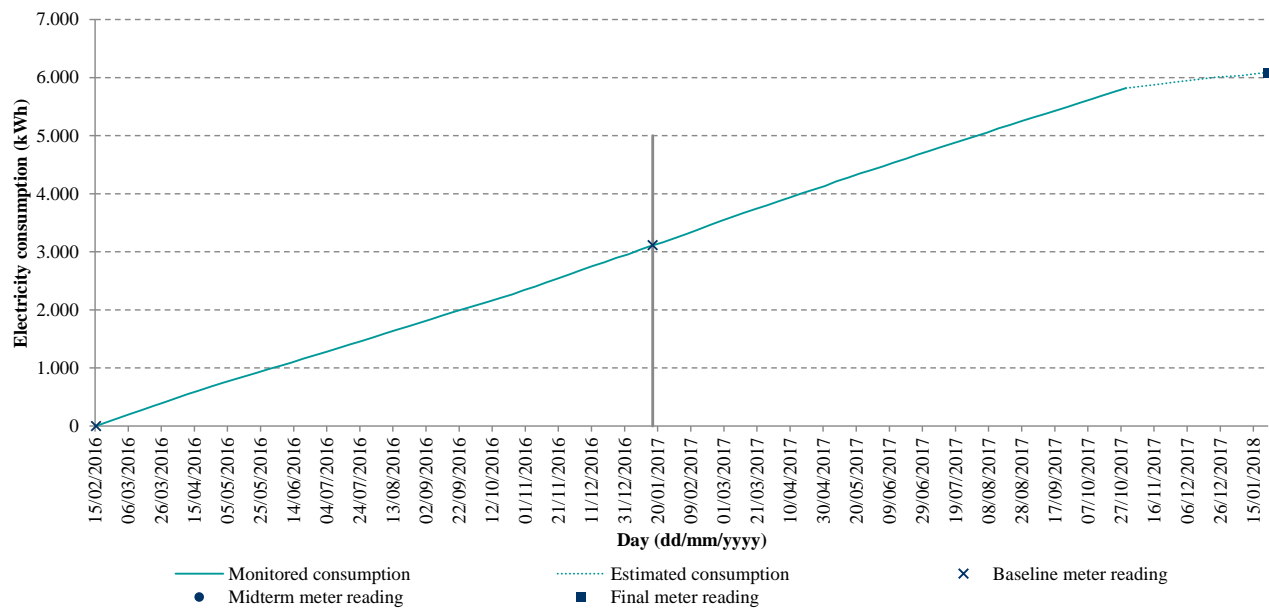
Gas

Initial meter reading (m³):	12.732	Final meter reading (m³):	13.604
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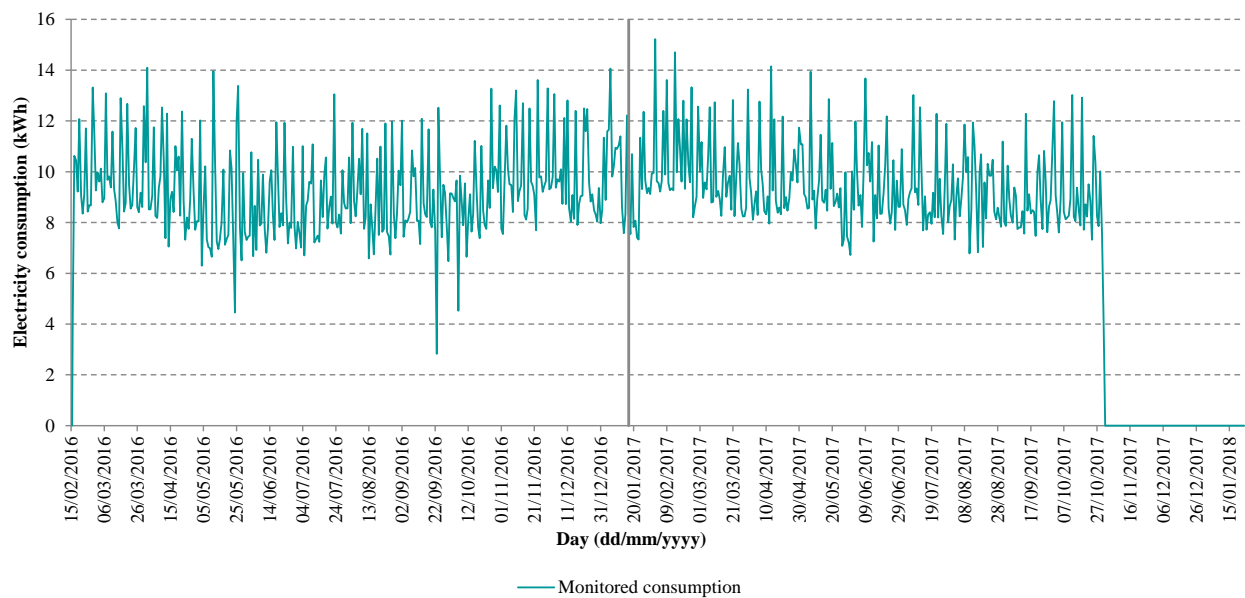
Electricity consumption (kWh):	2.970,0
Gas consumption (kWh):	9.736,1
Total energy consumption (kWh):	12.706,1

Baseline, midterm and final reporting period

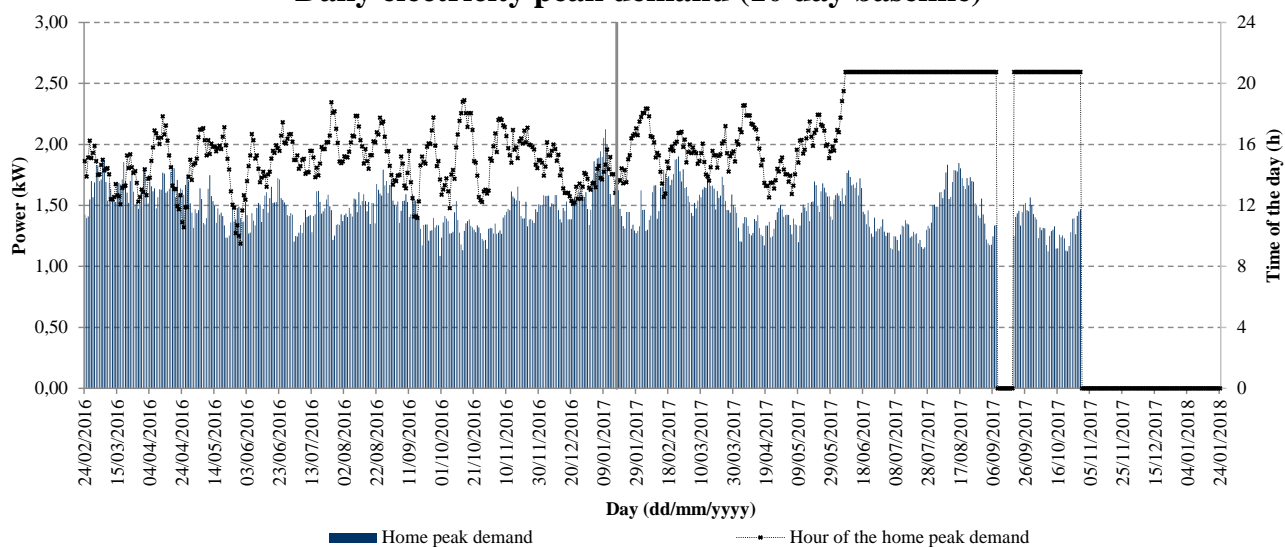
Cumulative electricity consumption



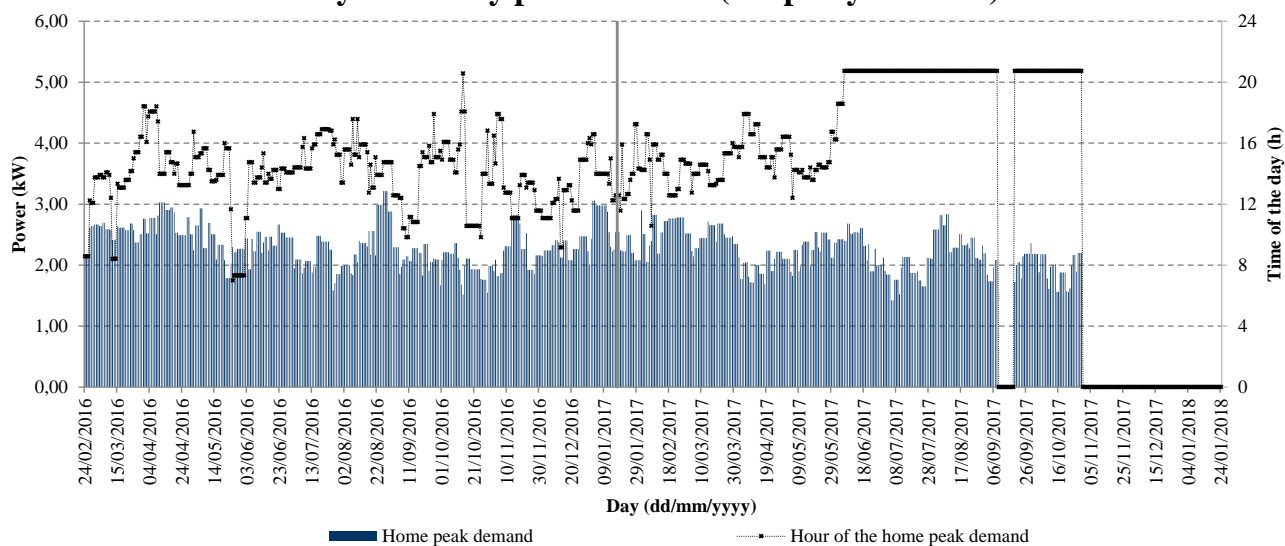
Daily electricity consumption



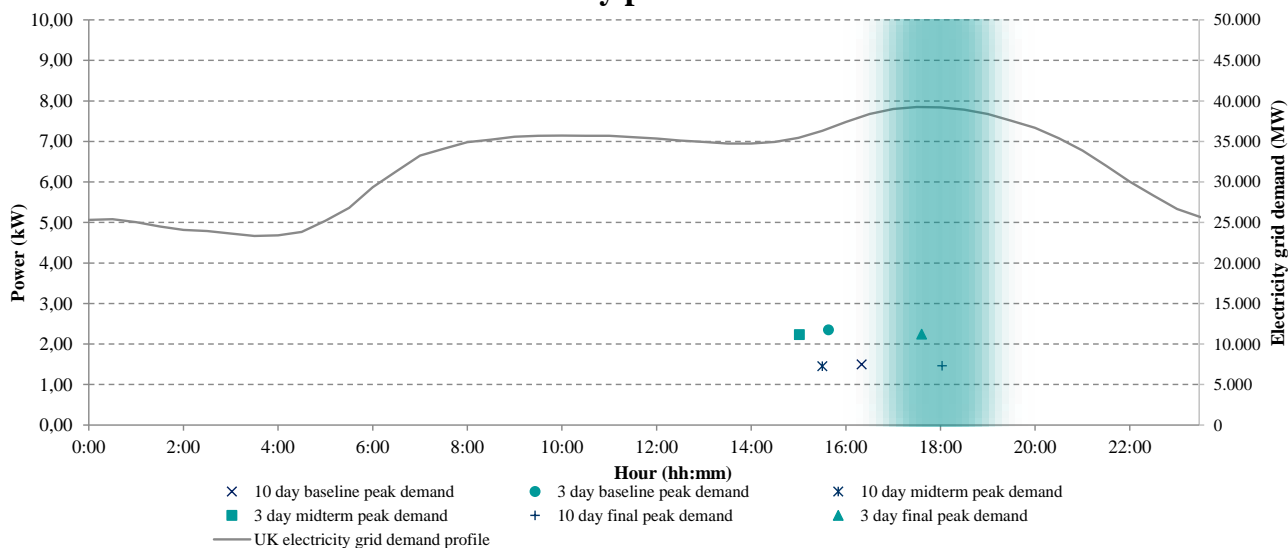
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #065	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	104
Number of storeys:	3	Number of habitable rooms:	5
Household size:	4	Internet:	Yes

Energy characteristics

SAP:	87 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	Photovoltaics

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	1.5

Gas infrastructure characteristics

Manufacturer:	Elstar	Type:	Analogue
Model:	G4		
Location:	Indoor	Distance aggregator-meter (m):	2

Baseline period

Starting date (dd/mm/yyyy):	24/03/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	1151		

Electricity

Initial meter reading (kWh):	7.259	Final meter reading (kWh):	9.987
10 day baseline peak demand	Power (kW): 2,16	Time (hh:mm):	14 h 48 min
3 day baseline peak demand	Power (kW): 3,53	Time (hh:mm):	15 h 41 min
Demand at the network peak	Power (kW): 0,52	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	3.162	Final meter reading (m³):	3.557
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Electricity consumption (kWh):	1.728,0
Gas consumption (kWh):	4.409,7
Total energy consumption (kWh):	6.137,7

Midterm reporting period			
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Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity			
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Initial meter reading (kWh):	8.987	Final meter reading (kWh):	-
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	3.557	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
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Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	23/01/2018
Heating Degree Days (°C) :	1777		

Electricity			
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Initial meter reading (kWh):	8.987	Final meter reading (kWh):	11.431
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

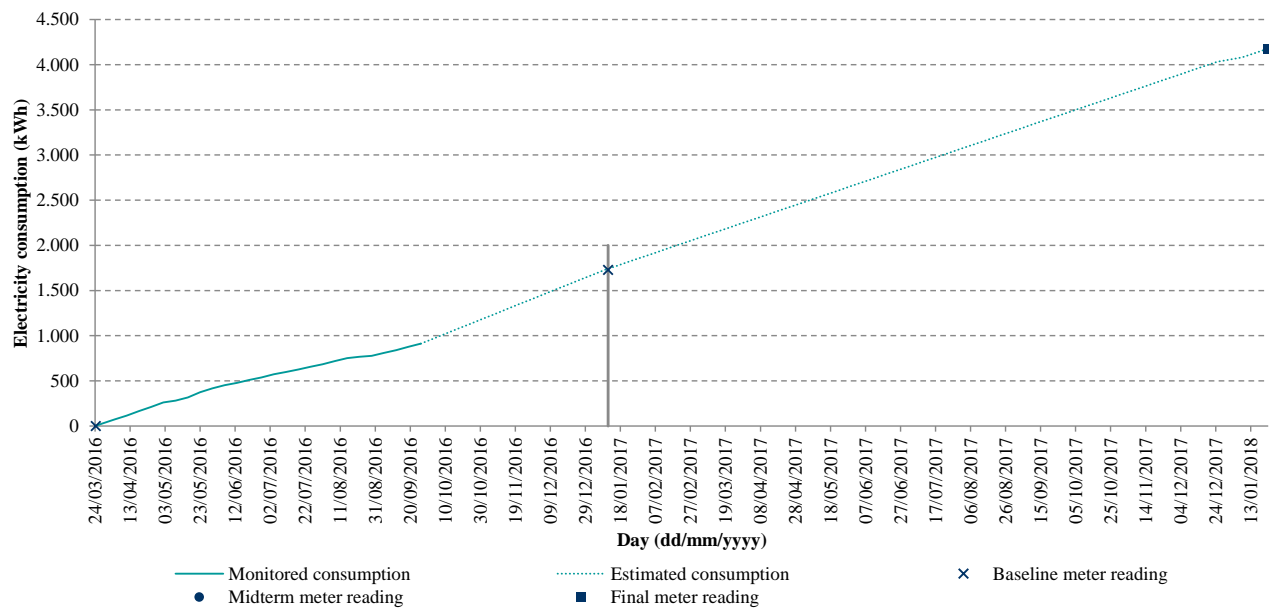
Gas			
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Initial meter reading (m³):	3.557	Final meter reading (m³):	4.307
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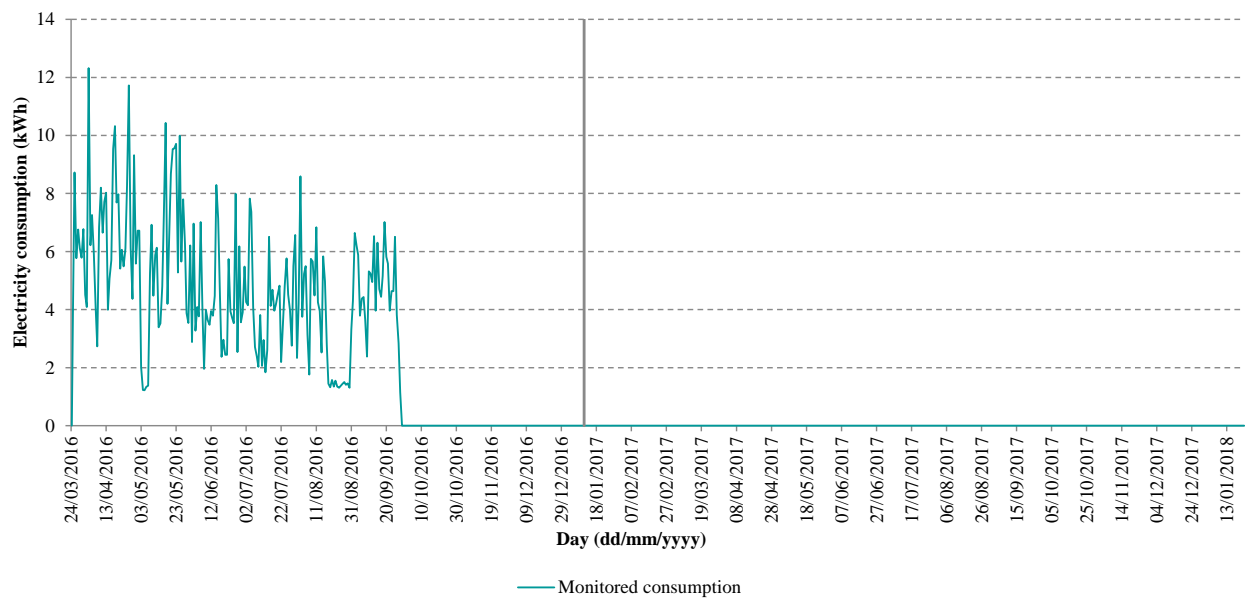
Electricity consumption (kWh):	2.444,0
Gas consumption (kWh):	8.374,6
Total energy consumption (kWh):	10.818,6

Baseline, midterm and final reporting period

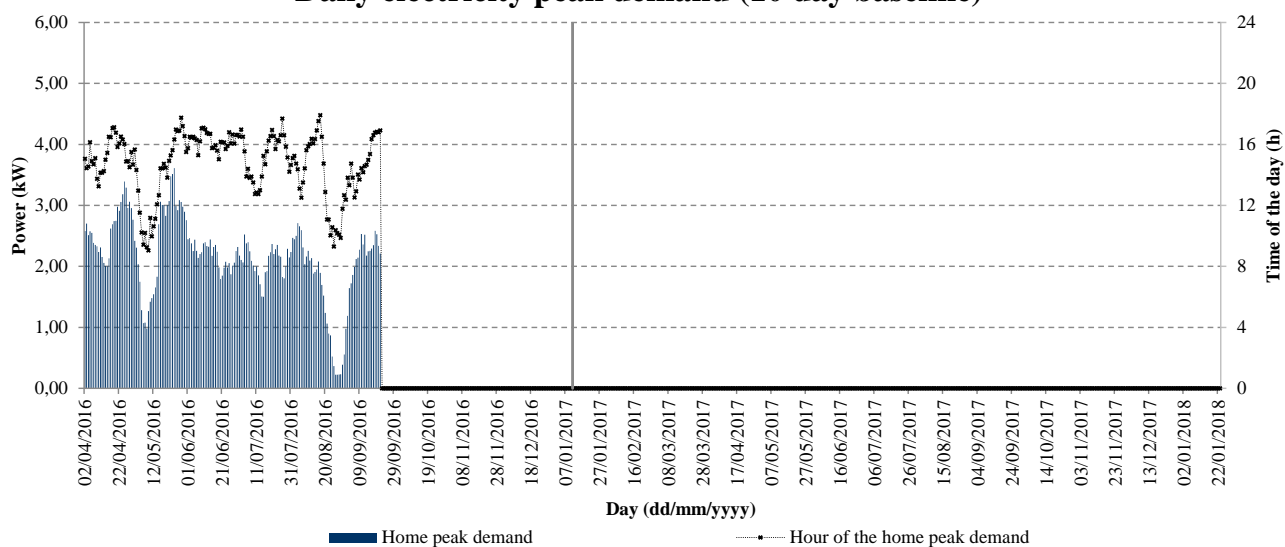
Cumulative electricity consumption



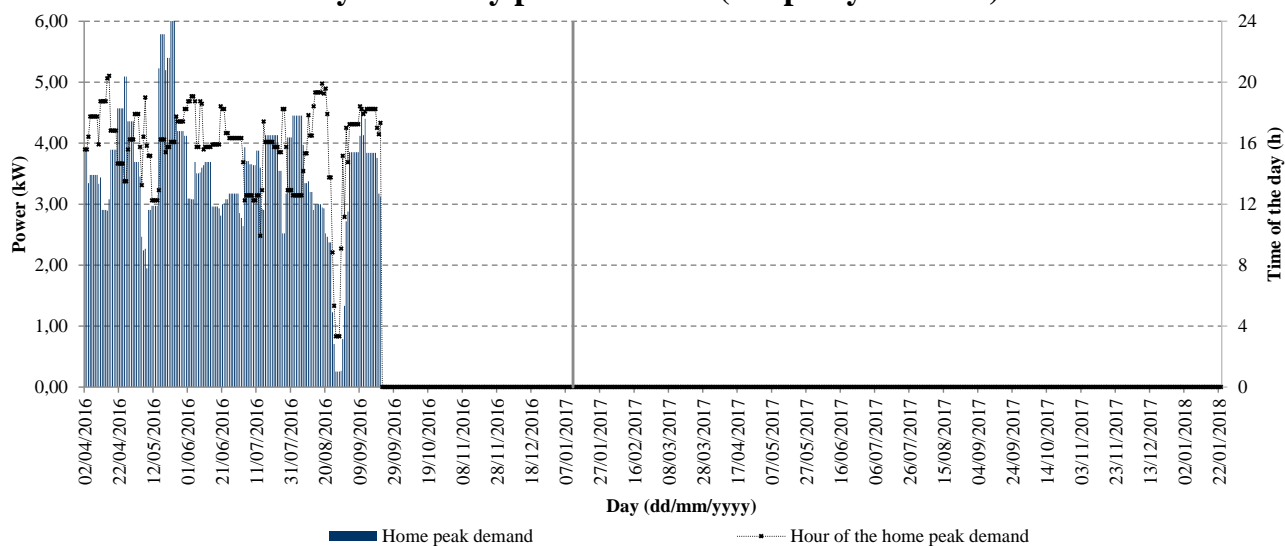
Daily electricity consumption



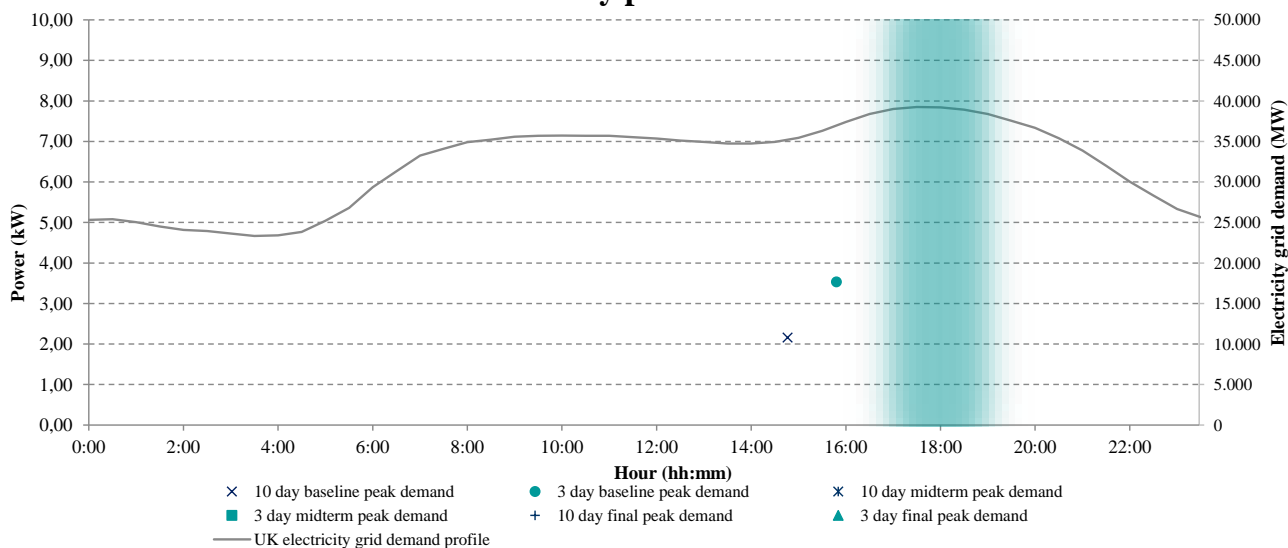
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #066	Dwelling type:	Semi Detached House
Construction period:	1976-1982	Floor area (m²):	78
Number of storeys:	2	Number of habitable rooms:	5
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	66 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5235A	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Actaris	Type:	Analogue
Model:	G4		
Location:	Indoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	05/05/2016	Final date (dd/mm/yyyy):	19/01/2017
Heating Degree Days (°C) :	897,0		

Electricity

Initial meter reading (kWh):	23.716	Final meter reading (kWh):	25.181
10 day baseline peak demand	Power (kW): 4,66	Time (hh:mm):	15 h 42 min
3 day baseline peak demand	Power (kW): 7,00	Time (hh:mm):	17 h 3 min
Demand at the network peak	Power (kW): 0,07	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	5.369	Final meter reading (m³):	5.630
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Electricity consumption (kWh):	1.465,0
Gas consumption (kWh):	2.913,8
Total energy consumption (kWh):	4.378,8

Midterm reporting period			
Starting date (dd/mm/yyyy):	19/01/2017	Final date (dd/mm/yyyy):	14/05/2017
Heating Degree Days (°C) :	800,5		

Electricity

Initial meter reading (kWh):	25.181	Final meter reading (kWh):	25.590
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	5.630	Final meter reading (m³):	5.781
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Electricity consumption (kWh):	409,0
Gas consumption (kWh):	1.685,7
Total energy consumption (kWh):	2.094,7

Final reporting period			
Starting date (dd/mm/yyyy):	19/01/2017	Final date (dd/mm/yyyy):	25/01/2018
Heating Degree Days (°C) :	1.719,0		

Electricity

Initial meter reading (kWh):	25.181	Final meter reading (kWh):	26.962
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

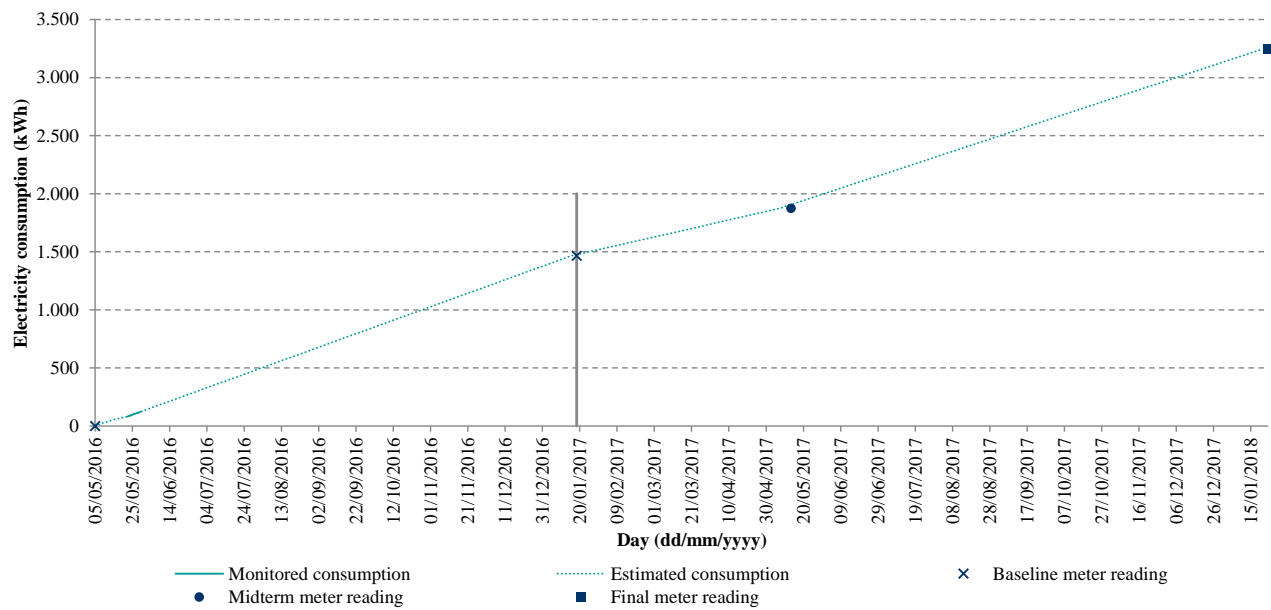
Gas

Initial meter reading (m³):	5.630	Final meter reading (m³):	6.147
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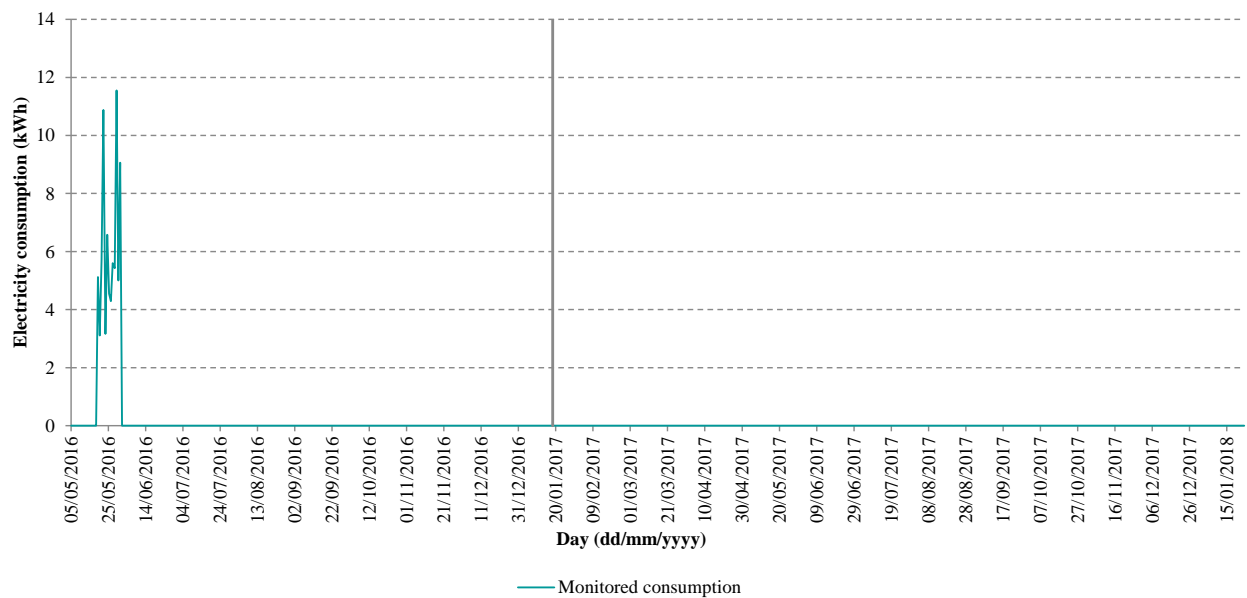
Electricity consumption (kWh):	1.781,2
Gas consumption (kWh):	5.766,2
Total energy consumption (kWh):	7.547,4

Baseline, midterm and final reporting period

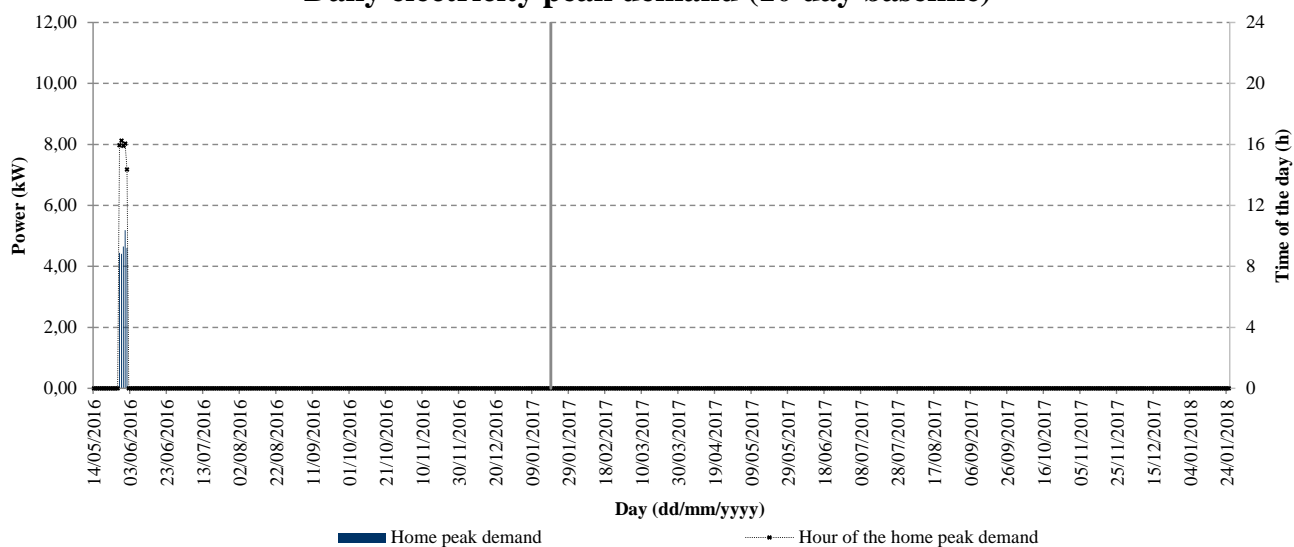
Cumulative electricity consumption



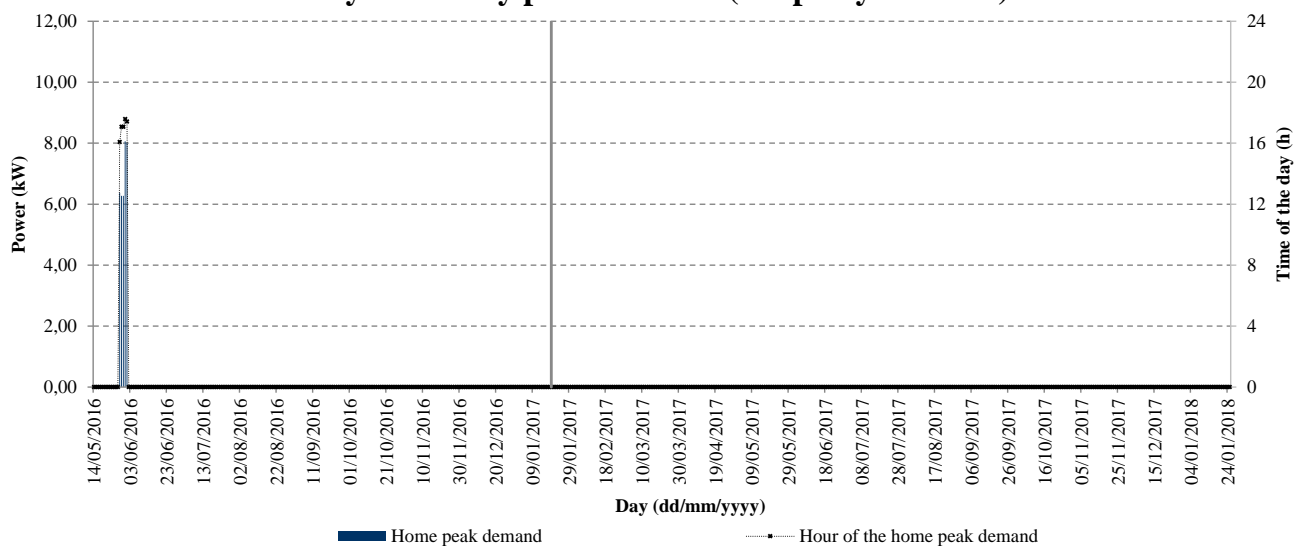
Daily electricity consumption



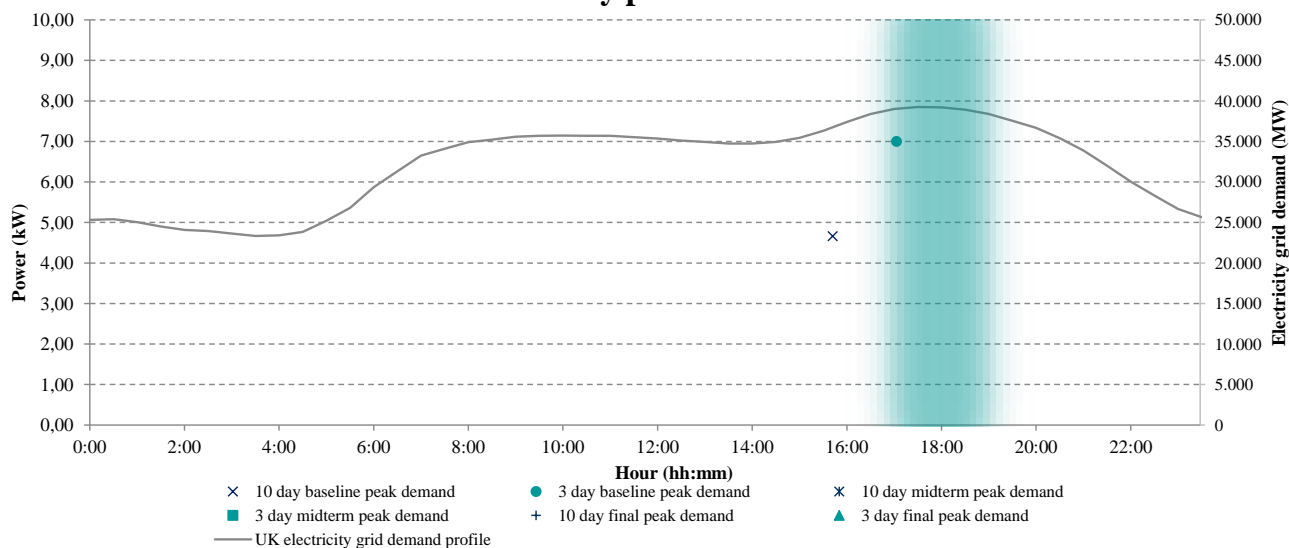
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #067	Dwelling type:	Maisonette
Construction period:	1983-1990	Floor area (m²):	80
Number of storeys:	1	Number of habitable rooms:	3
Household size:	3	Internet:	Yes

Energy characteristics

SAP:	67 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Talexus	Type:	Pre-payment
Model:	ACE9000 KBD	Conversion factor (impulses/kWh):	800
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	GWI	Type:	Pre-payment
Model:	U6		
Location:	Indoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	05/05/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	819,0		

Electricity

Initial meter reading (kWh):	7.047	Final meter reading (kWh):	8.937
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	15.159	Final meter reading (m³):	16.291
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Electricity consumption (kWh):	1.890,0
Gas consumption (kWh):	12.637,4
Total energy consumption (kWh):	14.527,4

Midterm reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	10/05/2017
Heating Degree Days (°C) :	858,5		

Electricity

Initial meter reading (kWh):	8.937	Final meter reading (kWh):	9.801
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	16.291	Final meter reading (m³):	16.890
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Electricity consumption (kWh):	864,0
Gas consumption (kWh):	6.687,1
Total energy consumption (kWh):	7.551,1

Final reporting period			
Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	24/01/2018
Heating Degree Days (°C) :	1.783,5		

Electricity

Initial meter reading (kWh):	8.937	Final meter reading (kWh):	11.536
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

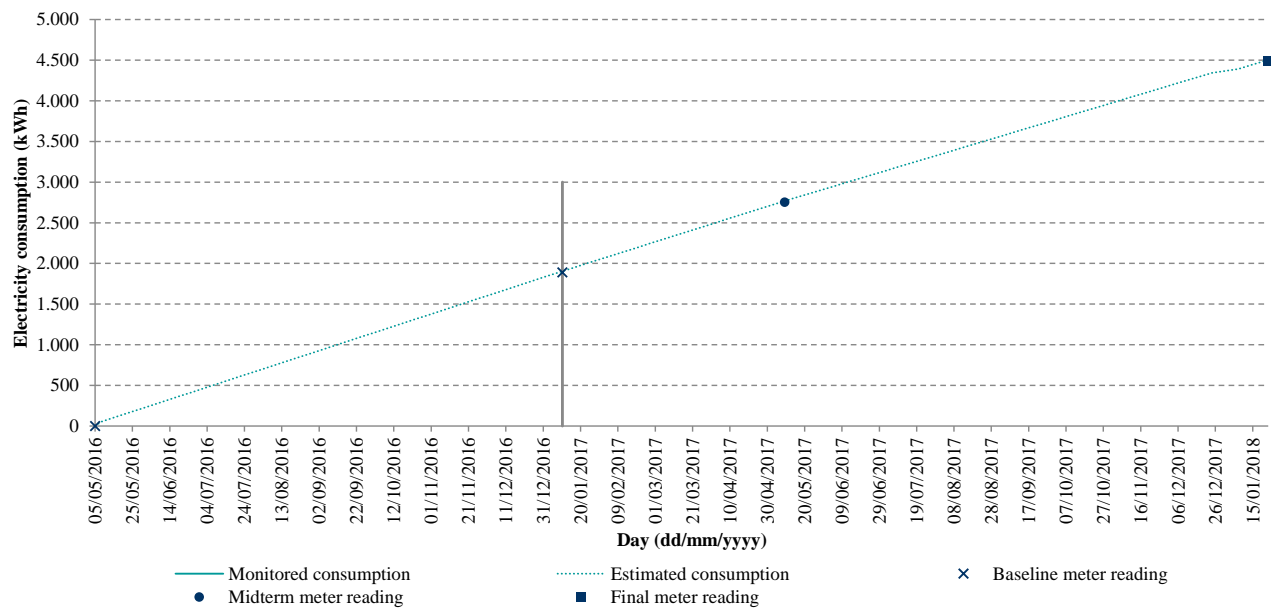
Gas

Initial meter reading (m³):	16.291	Final meter reading (m³):	17.711
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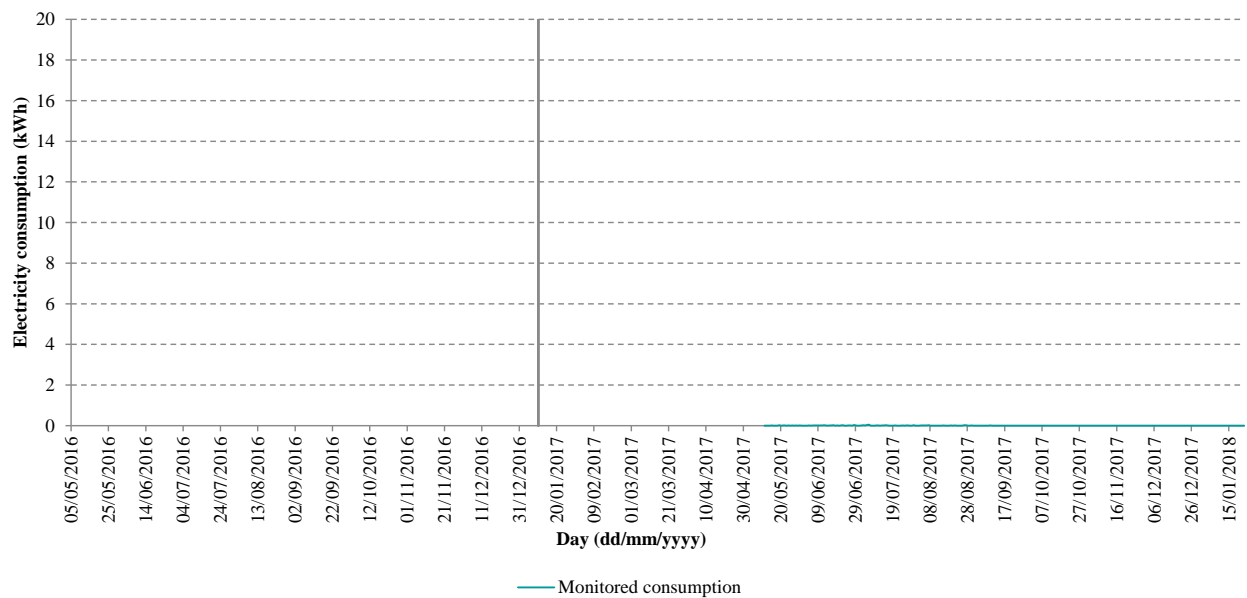
Electricity consumption (kWh):	2.598,9
Gas consumption (kWh):	15.850,1
Total energy consumption (kWh):	18.449,0

Baseline, midterm and final reporting period

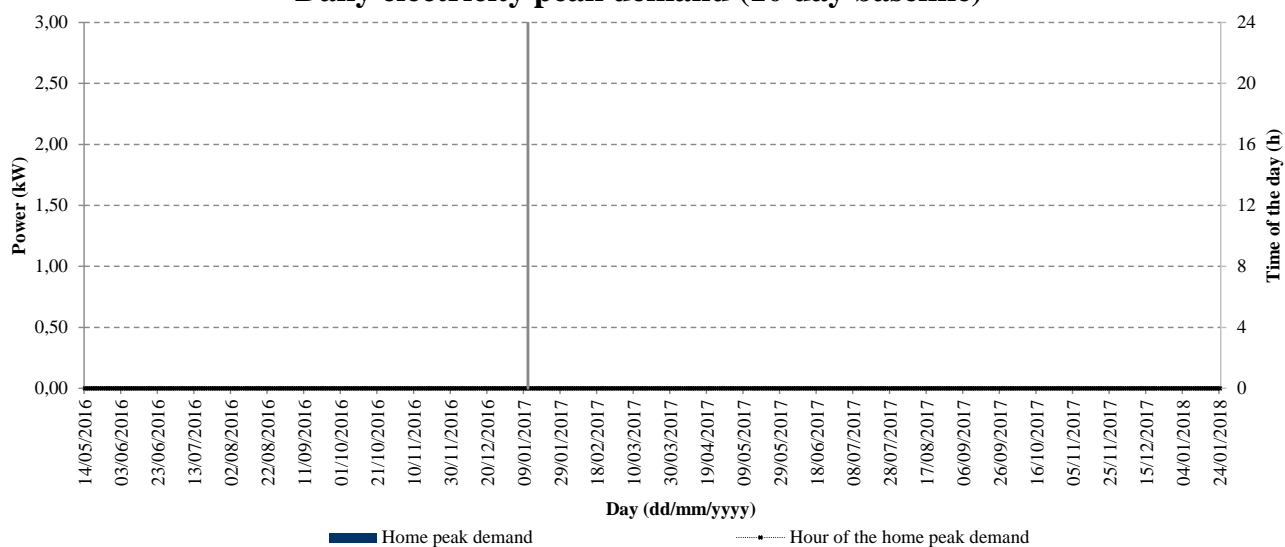
Cumulative electricity consumption



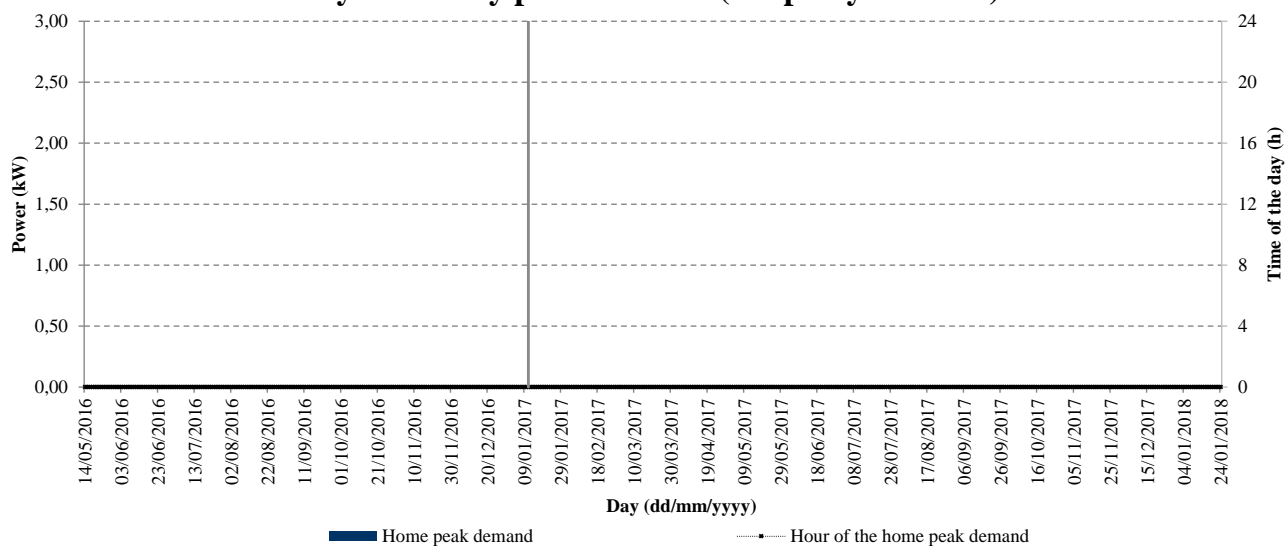
Daily electricity consumption



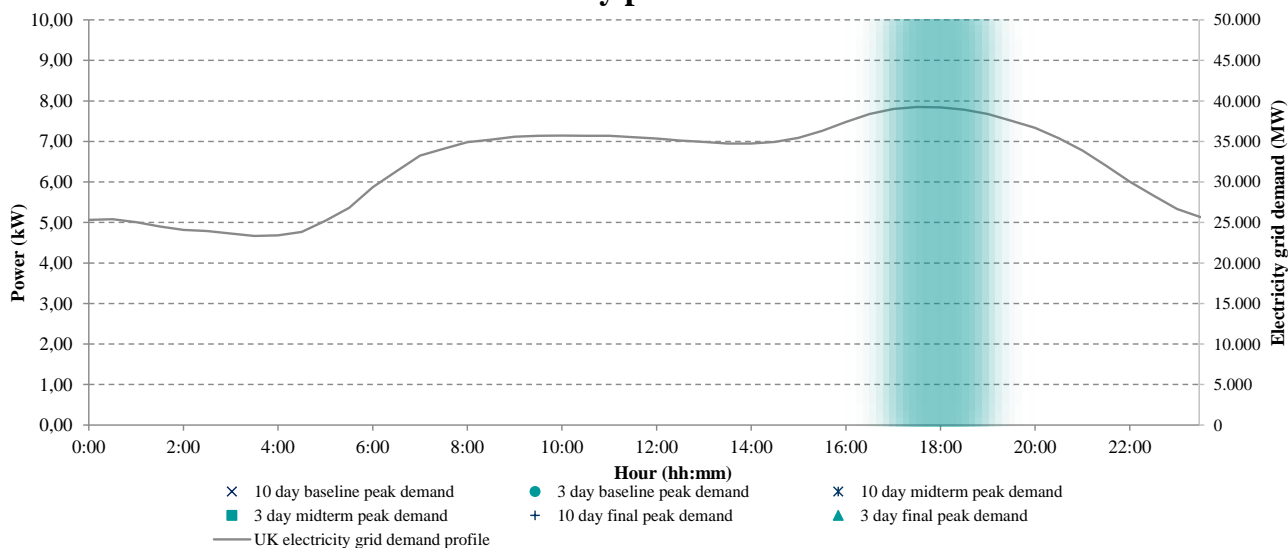
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #068	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	103
Number of storeys:	2	Number of habitable rooms:	Missing
Household size:	4	Internet:	Yes

Energy characteristics

SAP:	85 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	Photovoltaics

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5235A	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Sensus	Type:	Analogue
Model:	U6		
Location:	Outdoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	05/05/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	841,0		

Electricity

Initial meter reading (kWh):	12.195	Final meter reading (kWh):	14.673
10 day baseline peak demand	Power (kW): 4,46	Time (hh:mm):	17 h 13 min
3 day baseline peak demand	Power (kW): 6,47	Time (hh:mm):	17 h 47 min
Demand at the network peak	Power (kW): 0,52	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.312	Final meter reading (m³):	2.788
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Electricity consumption (kWh):	2.478,0
Gas consumption (kWh):	5.314,0
Total energy consumption (kWh):	7.792,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	07/06/2017
Heating Degree Days (°C) :	906,0		

Electricity

Initial meter reading (kWh):	14.673	Final meter reading (kWh):	15.908
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.788	Final meter reading (m³):	3.144
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Electricity consumption (kWh):	1.235,0
Gas consumption (kWh):	3.974,3
Total energy consumption (kWh):	5.209,3

Final reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	17/01/2018
Heating Degree Days (°C) :	1.714,0		

Electricity

Initial meter reading (kWh):	14.673	Final meter reading (kWh):	17.842
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

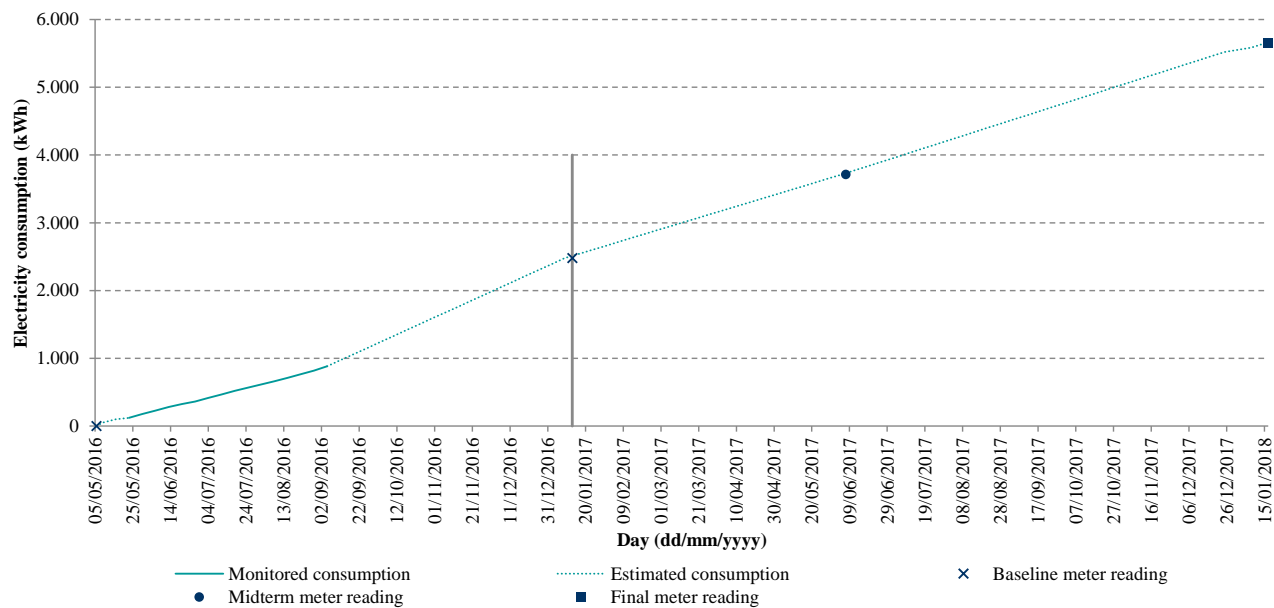
Gas

Initial meter reading (m³):	2.788	Final meter reading (m³):	3.491
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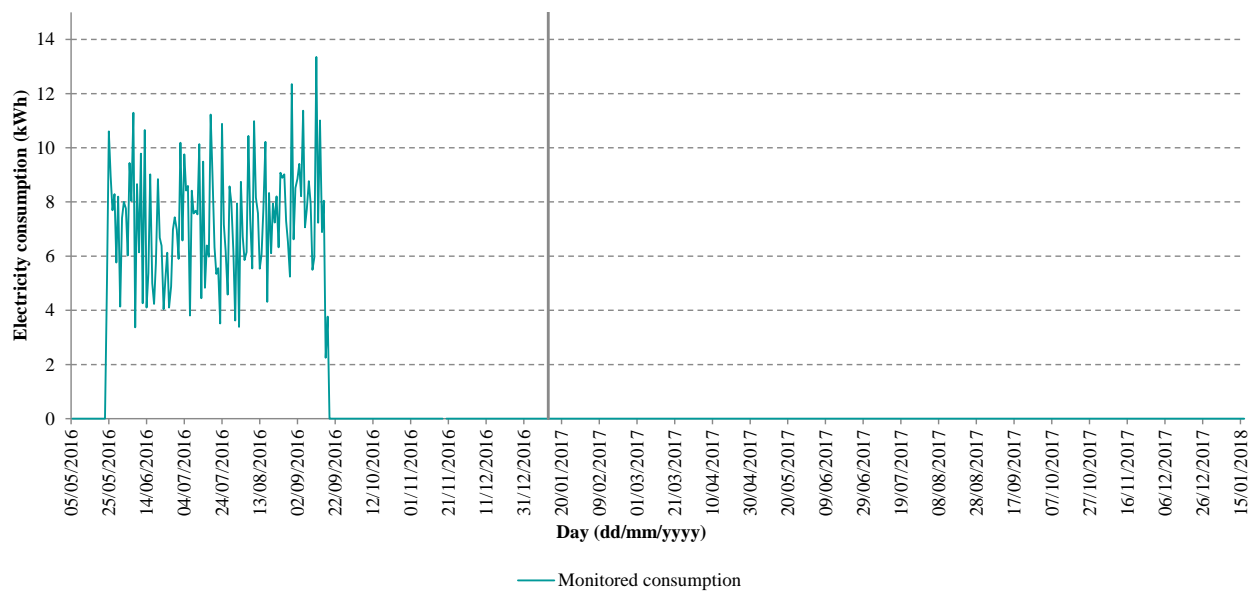
Electricity consumption (kWh):	3.169,0
Gas consumption (kWh):	7.846,6
Total energy consumption (kWh):	11.015,6

Baseline, midterm and final reporting period

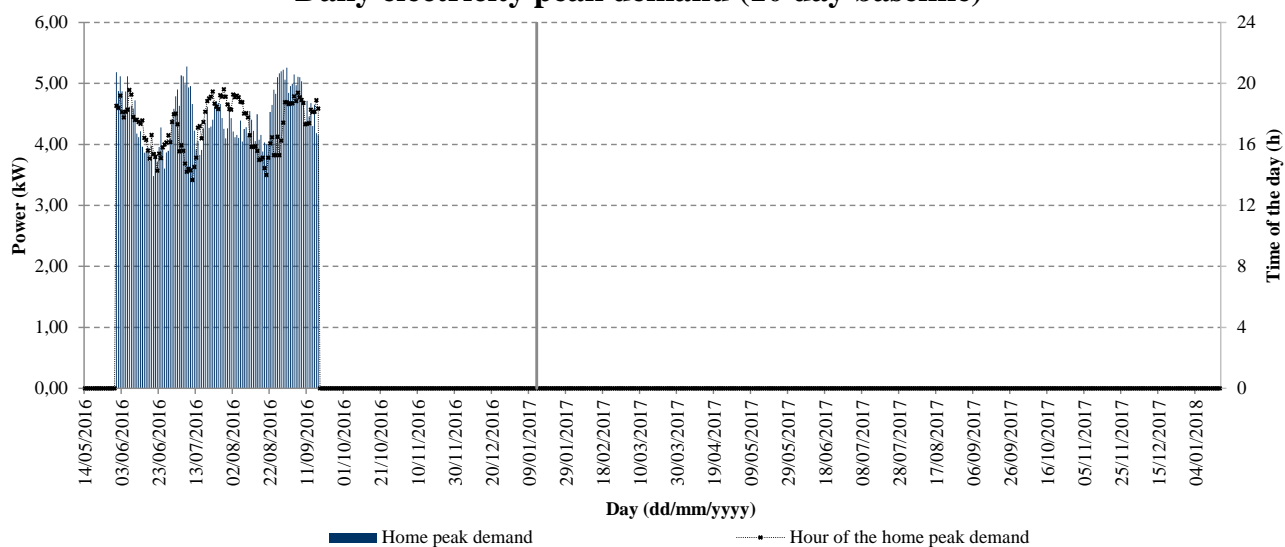
Cumulative electricity consumption



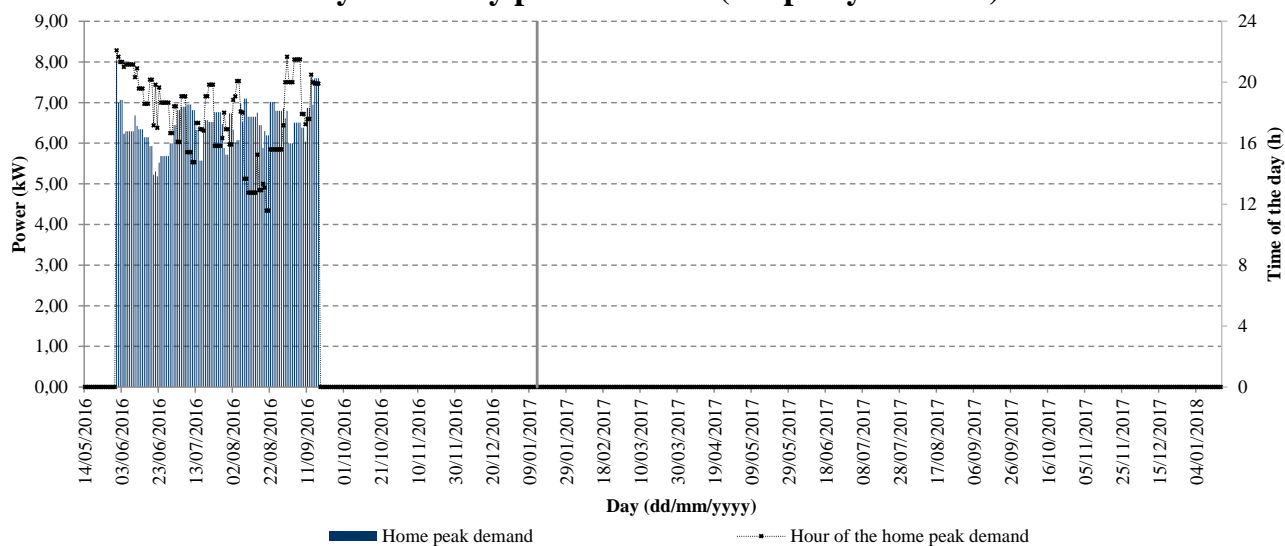
Daily electricity consumption



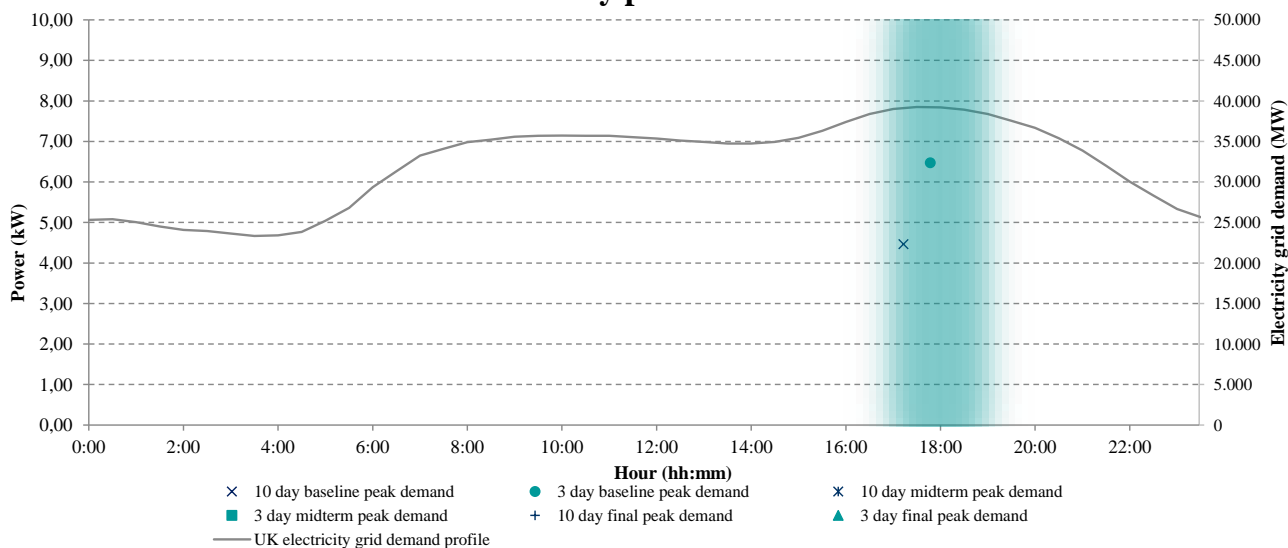
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #069	Dwelling type:	Semi Detached House
Construction period:	2003-2006	Floor area (m²):	80
Number of storeys:	1	Number of habitable rooms:	4
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	64 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	5235A	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Cubix	Type:	Analogue
Model:	U6		
Location:	Outdoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	19/05/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C) :	838,5		

Electricity

Initial meter reading (kWh):	1.372	Final meter reading (kWh):	3.902
10 day baseline peak demand	Power (kW): 2,20	Time (hh:mm):	11 h 42 min
3 day baseline peak demand	Power (kW): 2,83	Time (hh:mm):	9 h 30 min
Demand at the network peak	Power (kW): 0,06	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	10.324	Final meter reading (m³):	11.095
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Electricity consumption (kWh):	2.530,0
Gas consumption (kWh):	8.607,3
Total energy consumption (kWh):	11.137,3

Midterm reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	3.902	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 2,55	Time (hh:mm):	14 h 37 min
3 day baseline peak demand	Power (kW): 3,76	Time (hh:mm):	15 h 46 min
Demand at the network peak	Power (kW): 1,39	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	11.095	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.744,9
Gas consumption (kWh):	n/a
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	17/01/2018
Heating Degree Days (°C) :	1.677,0		

Electricity

Initial meter reading (kWh):	3.902	Final meter reading (kWh):	7.808
10 day baseline peak demand	Power (kW): 2,78	Time (hh:mm):	15 h 55 min
3 day baseline peak demand	Power (kW): 3,92	Time (hh:mm):	16 h 29 min
Demand at the network peak	Power (kW): 1,18	Time (hh:mm):	17 h 0 min to 19h 0 min

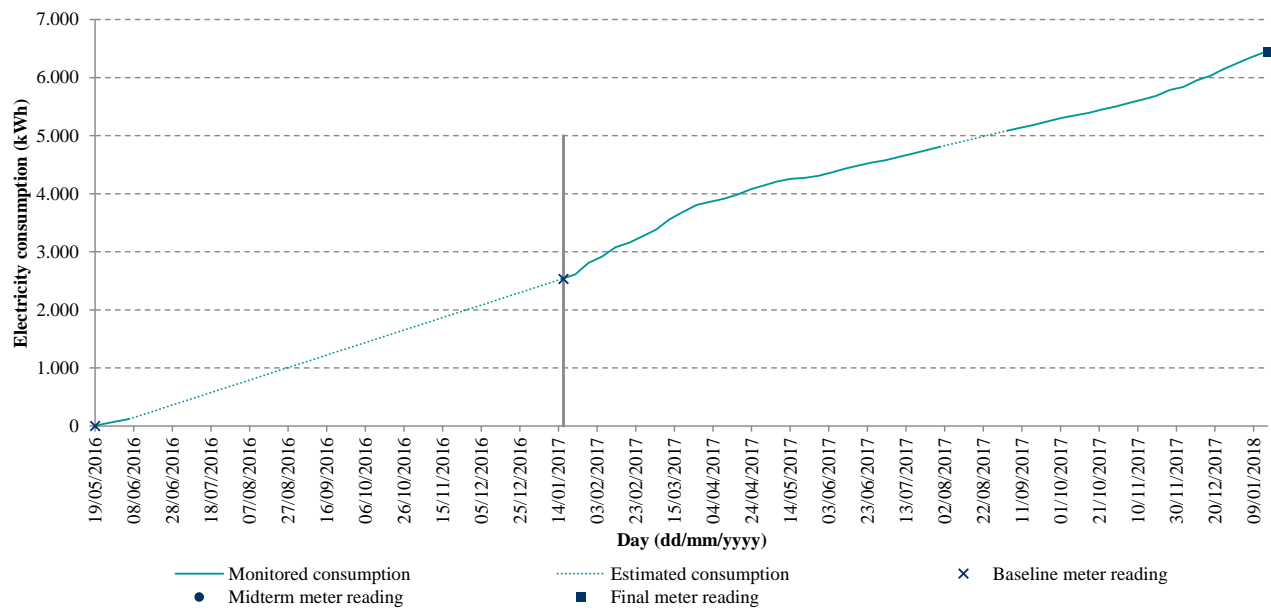
Gas

Initial meter reading (m³):	11.095	Final meter reading (m³):	12.251
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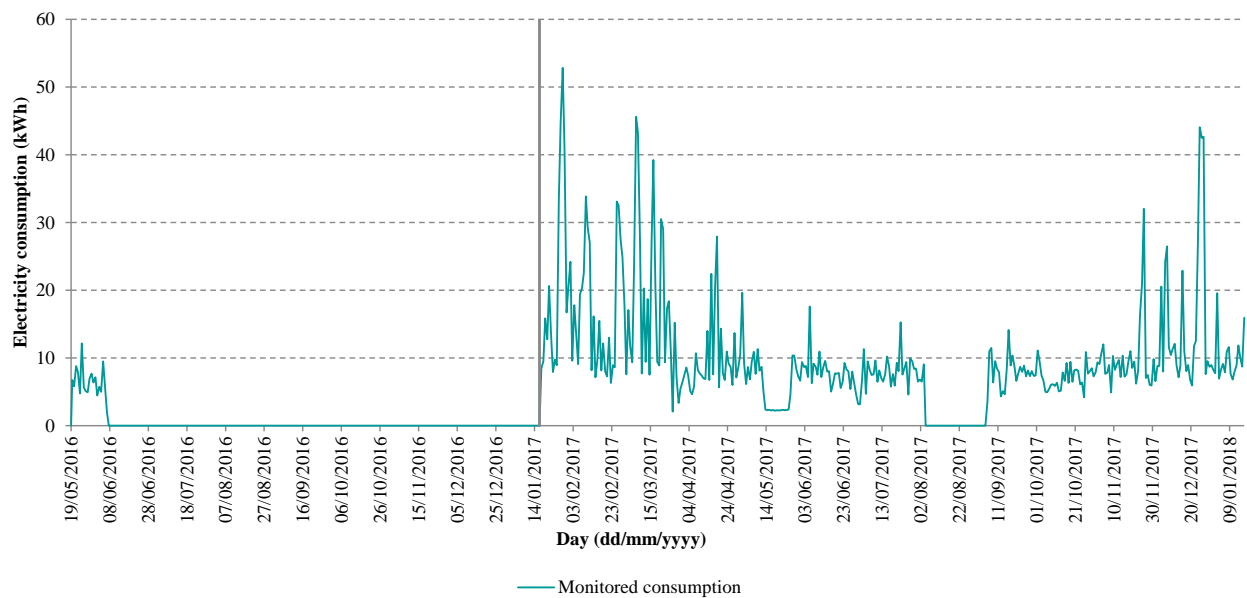
Electricity consumption (kWh):	3.906,0
Gas consumption (kWh):	12.902,3
Total energy consumption (kWh):	16.808,3

Baseline, midterm and final reporting period

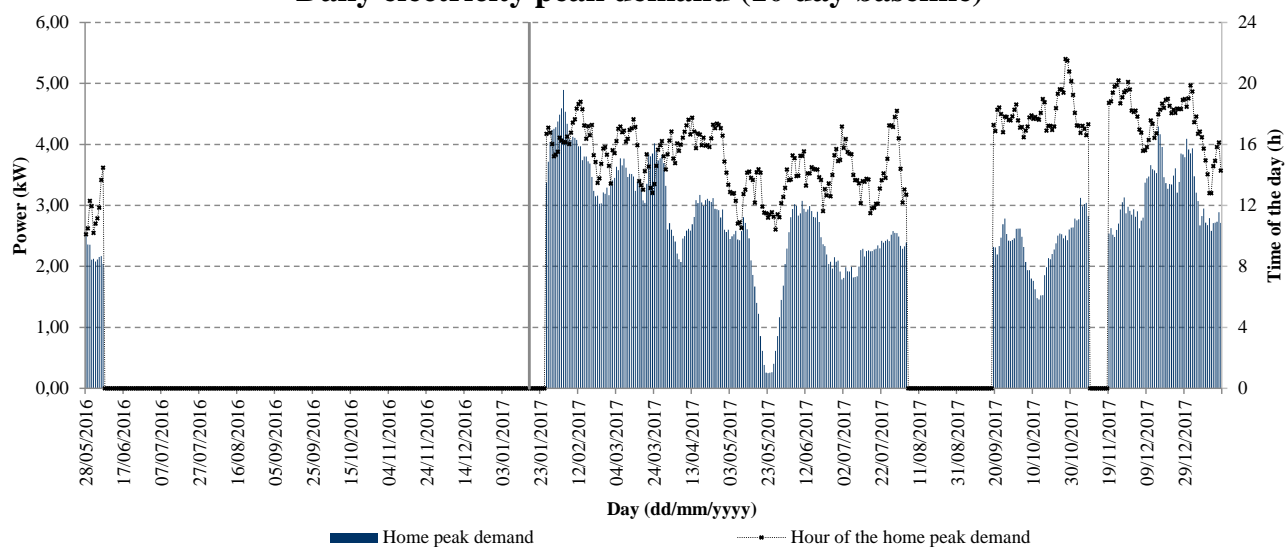
Cumulative electricity consumption



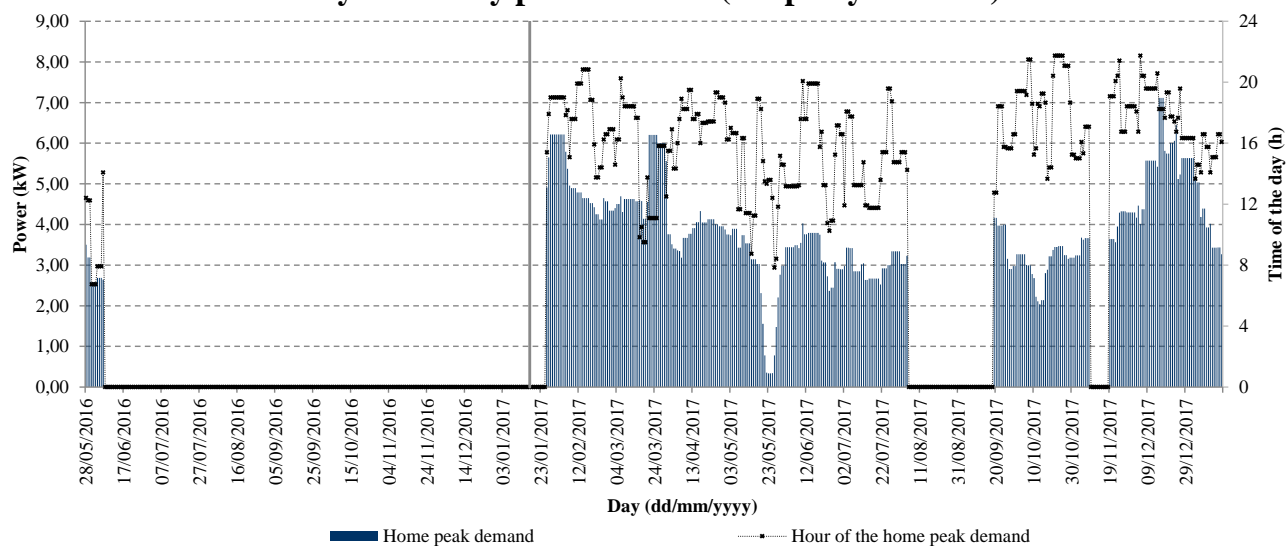
Daily electricity consumption



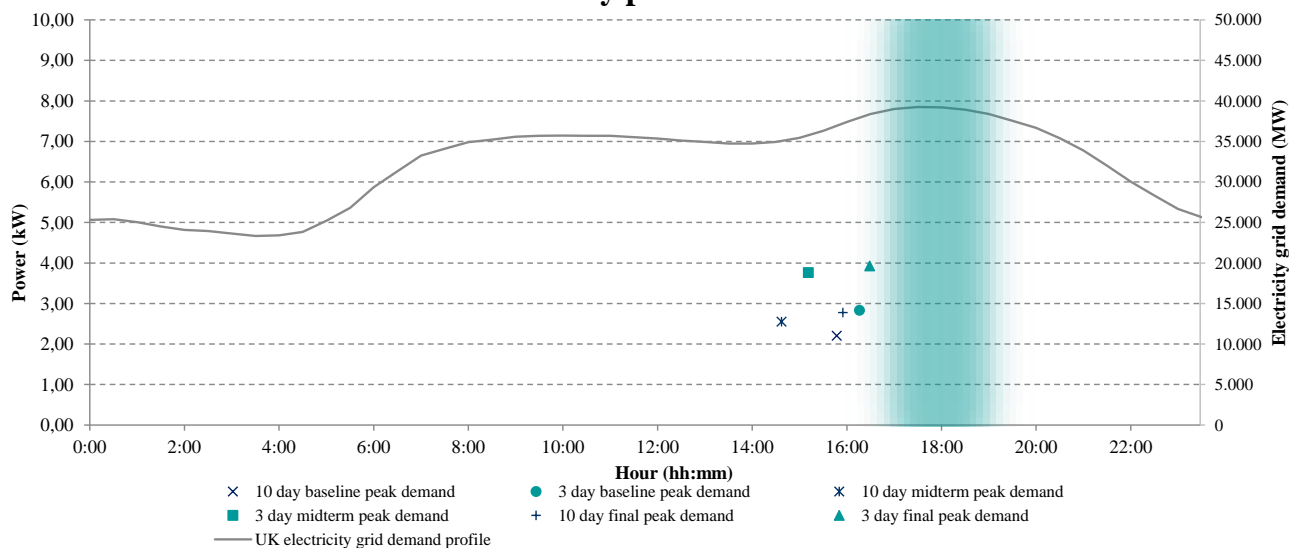
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #070	Dwelling type:	Flat
Construction period:	1983-1990	Floor area (m²):	81
Number of storeys:	1	Number of habitable rooms:	3
Household size:	1	Internet:	No

Energy characteristics

SAP:	50 E	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Actaris	Type:	Digital
Model:	ACE 1000 KBD	Conversion factor (impulses/kWh):	800
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	GWl	Type:	Analogue
Model:	U6		
Location:	Inside	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	05/05/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	829,5		

Electricity

Initial meter reading (kWh):	56.206	Final meter reading (kWh):	59.009
10 day baseline peak demand	Power (kW): 2,65	Time (hh:mm):	13 h 6 min
3 day baseline peak demand	Power (kW): 3,61	Time (hh:mm):	12 h 32 min
Demand at the network peak	Power (kW): 0,30	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	23.092	Final meter reading (m³):	23.897
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Electricity consumption (kWh):	2.803,0
Gas consumption (kWh):	8.986,9
Total energy consumption (kWh):	11.789,9

Midterm reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	14/05/2017
Heating Degree Days (°C) :	867,0		

Electricity

Initial meter reading (kWh):	59.009	Final meter reading (kWh):	60.371
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	23.897	Final meter reading (m³):	24.382
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Electricity consumption (kWh):	1.362,0
Gas consumption (kWh):	5.414,5
Total energy consumption (kWh):	6.776,5

Final reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	25/01/2018
Heating Degree Days (°C) :	1.785,5		

Electricity

Initial meter reading (kWh):	59.009	Final meter reading (kWh):	64.473
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

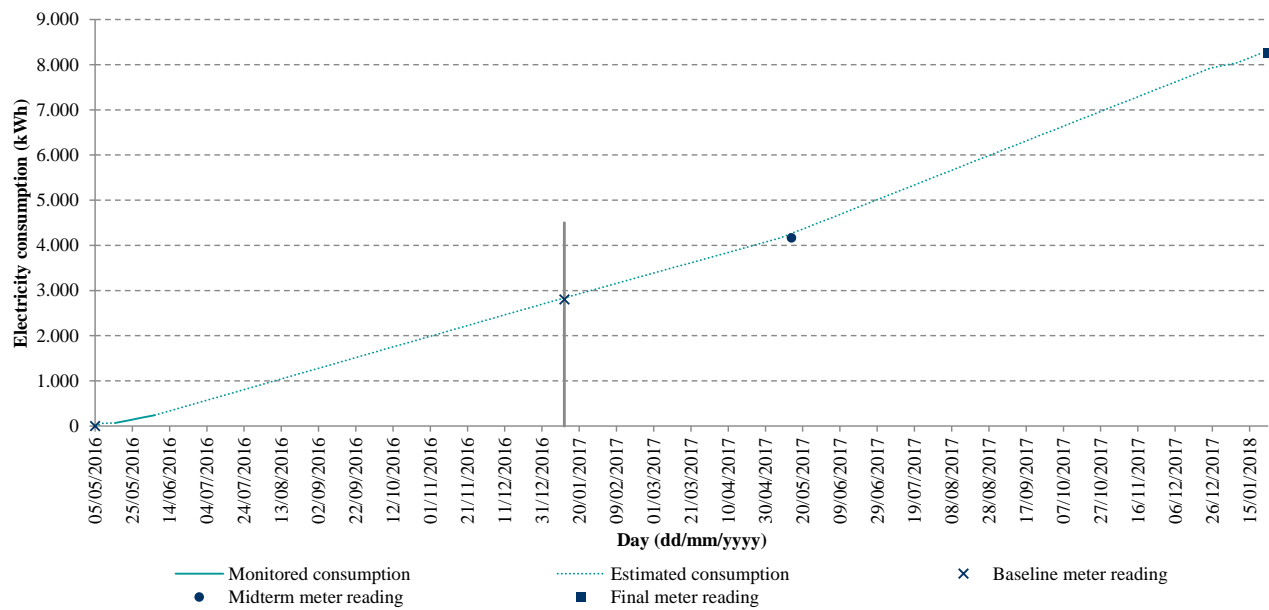
Gas

Initial meter reading (m³):	23.897	Final meter reading (m³):	24.905
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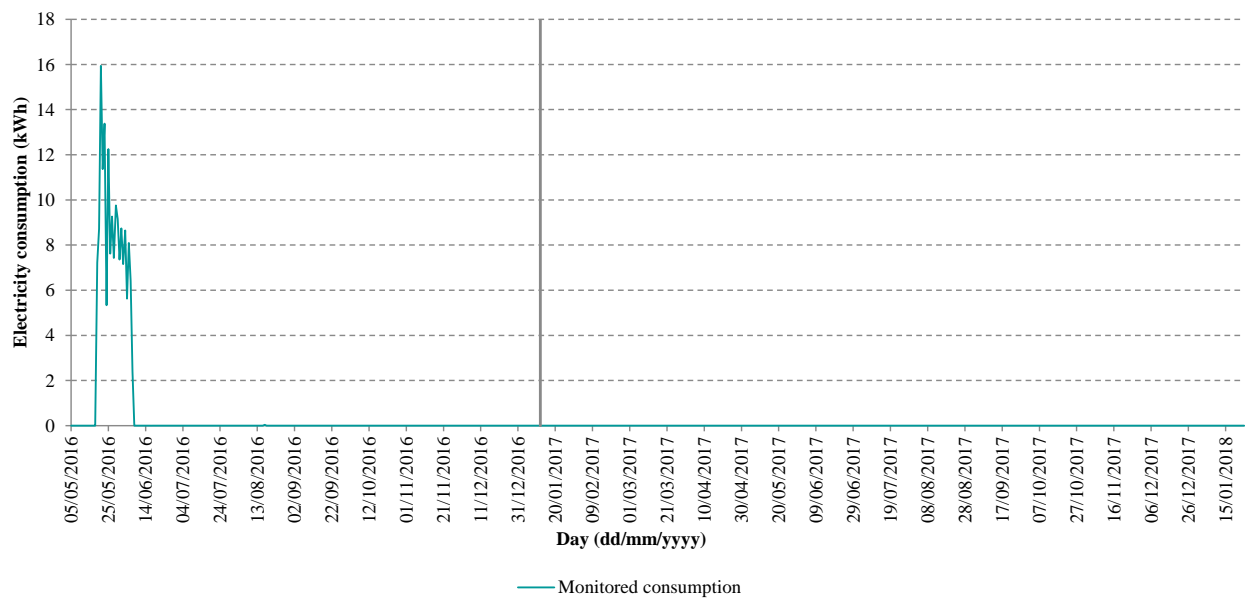
Electricity consumption (kWh):	5.463,6
Gas consumption (kWh):	11.249,0
Total energy consumption (kWh):	16.712,6

Baseline, midterm and final reporting period

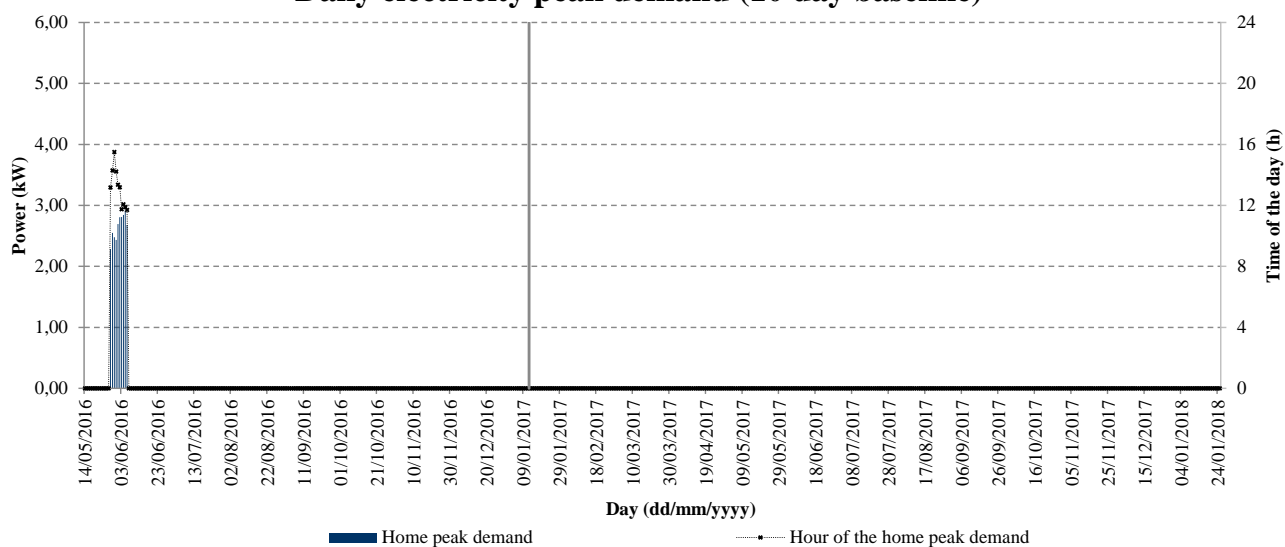
Cumulative electricity consumption



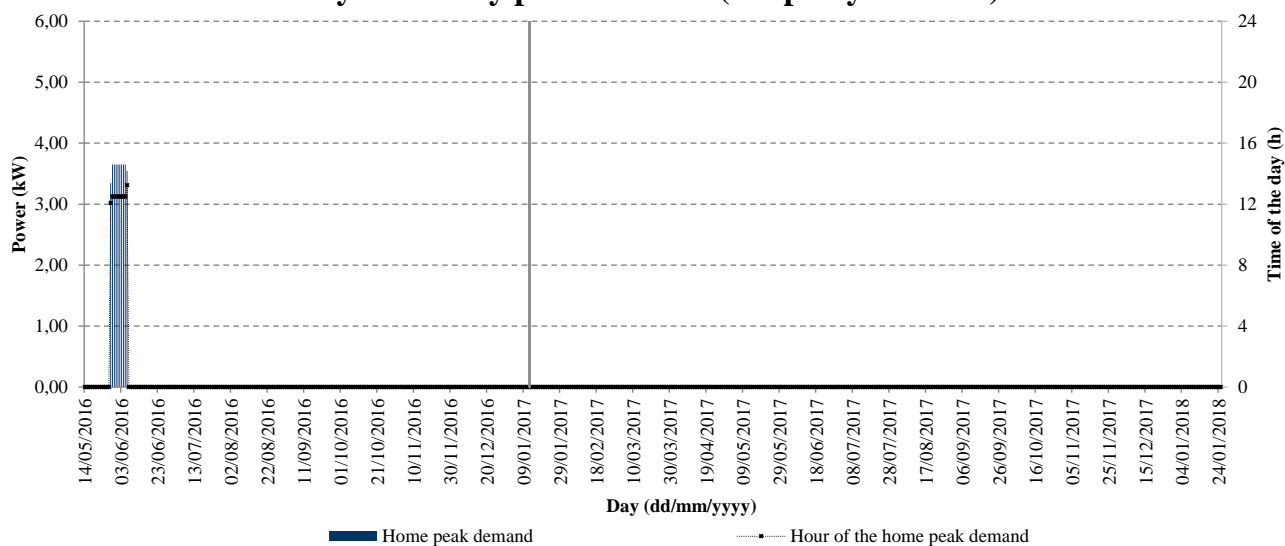
Daily electricity consumption



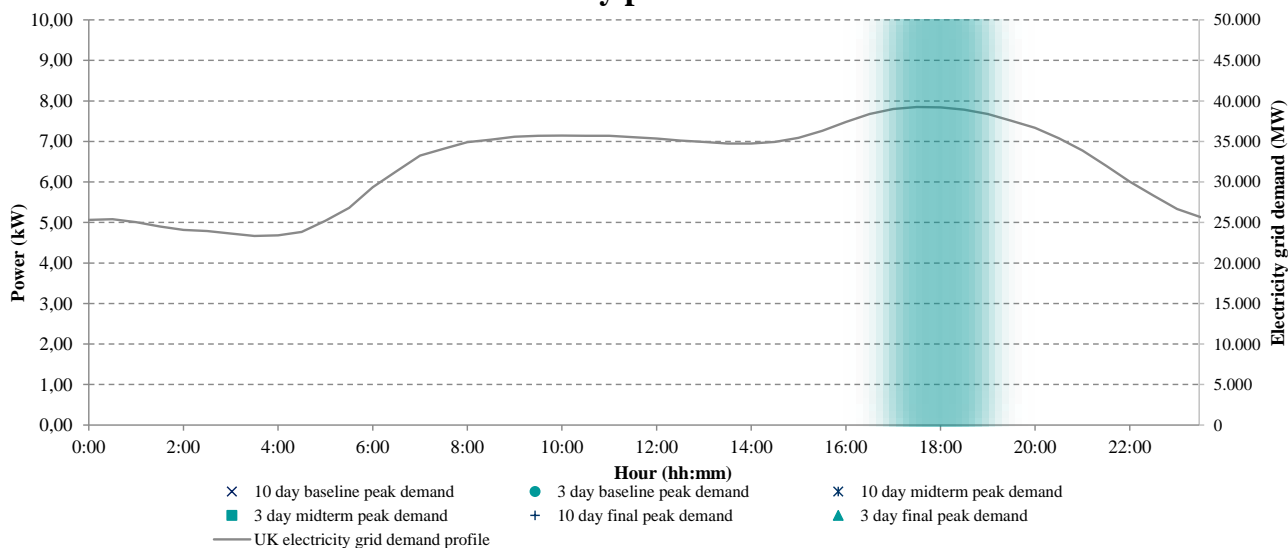
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #071	Dwelling type:	Flat
Construction period:	1983-1990	Floor area (m²):	75
Number of storeys:	1	Number of habitable rooms:	3
Household size:	3	Internet:	Yes

Energy characteristics

SAP:	68 D	Energy:	Gas and Electric
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Secure	Type:	Digital
Model:	Liberty 100	Conversion factor (impulses/kWh):	800
Location:	Inside	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Secure	Type:	Digital
Model:	Liberty EG4V-10		
Location:	Indoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	05/05/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	829,5		

Electricity

Initial meter reading (kWh):	1.810	Final meter reading (kWh):	5.502
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	13	Final meter reading (m³):	641
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Electricity consumption (kWh):	3.692,0
Gas consumption (kWh):	7.010,9
Total energy consumption (kWh):	10.702,9

Midterm reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	30/05/2017
Heating Degree Days (°C) :	900,0		

Electricity

Initial meter reading (kWh):	5.502	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	641	Final meter reading (m³):	885
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Electricity consumption (kWh):	-
Gas consumption (kWh):	2.724,0
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	24/01/2018
Heating Degree Days (°C) :	1.778,0		

Electricity

Initial meter reading (kWh):	5.502	Final meter reading (kWh):	9.730
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

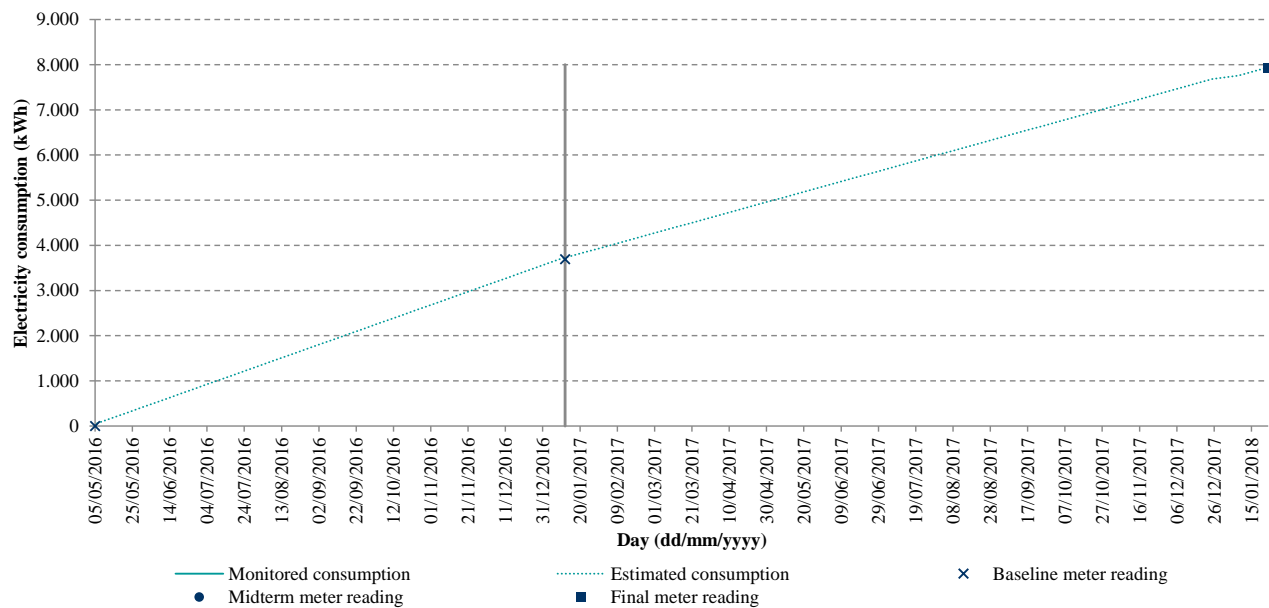
Gas

Initial meter reading (m³):	641	Final meter reading (m³):	1.374
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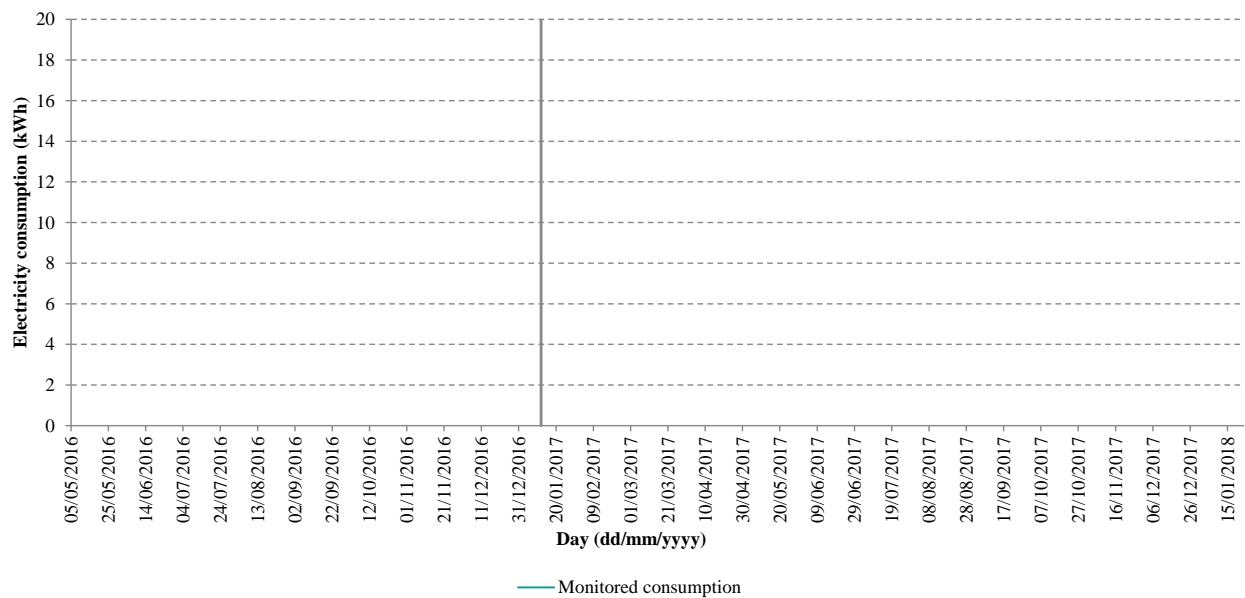
Electricity consumption (kWh):	4.227,7
Gas consumption (kWh):	8.181,3
Total energy consumption (kWh):	12.409,0

Baseline, midterm and final reporting period

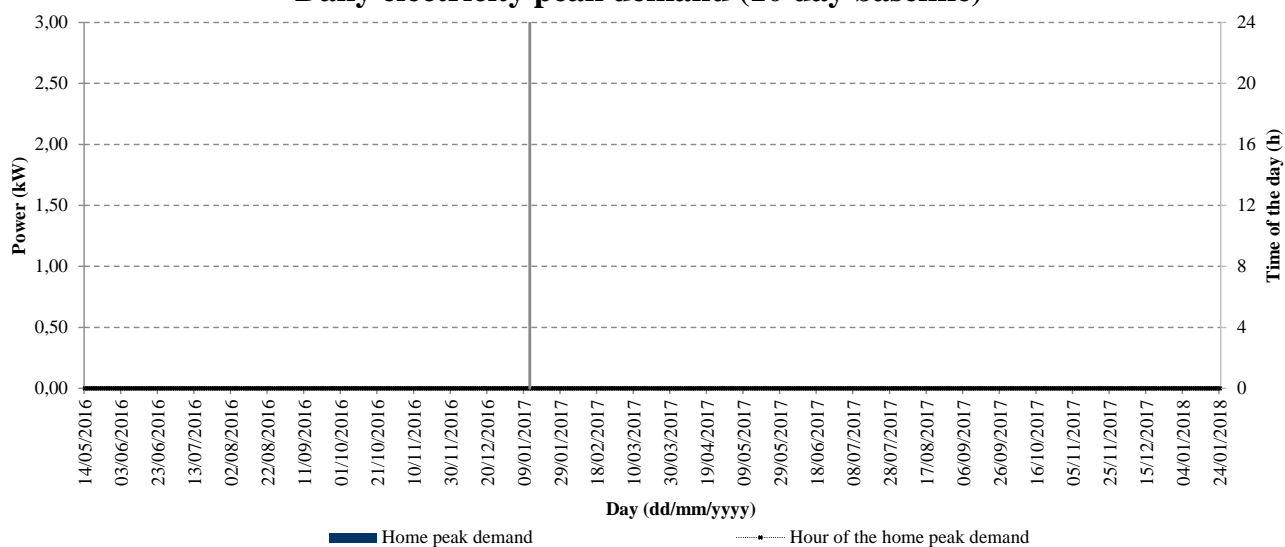
Cumulative electricity consumption



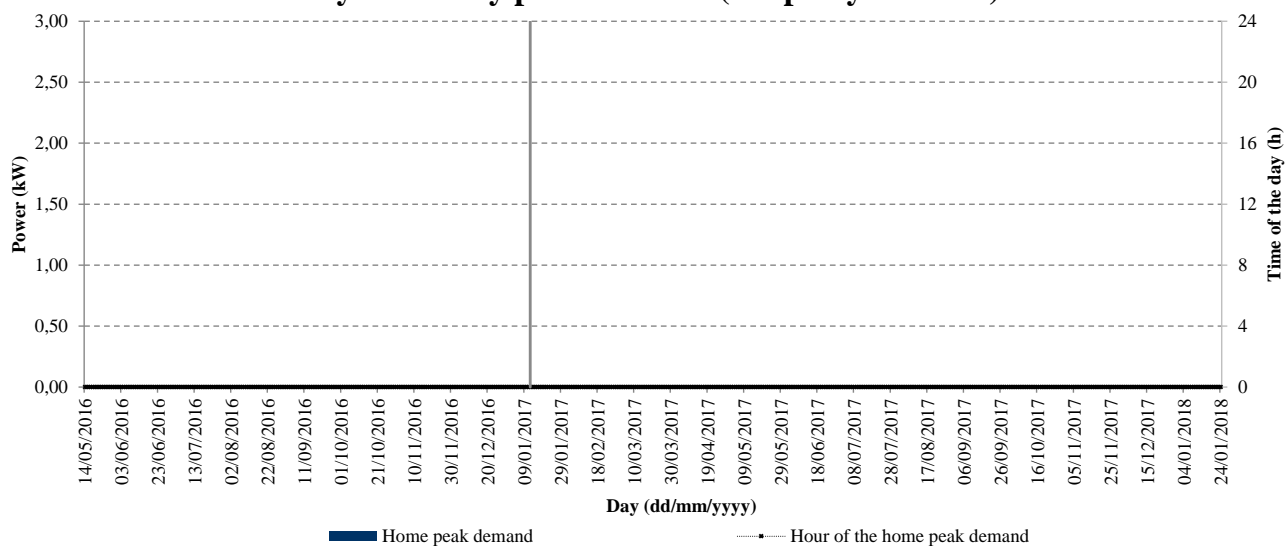
Daily electricity consumption



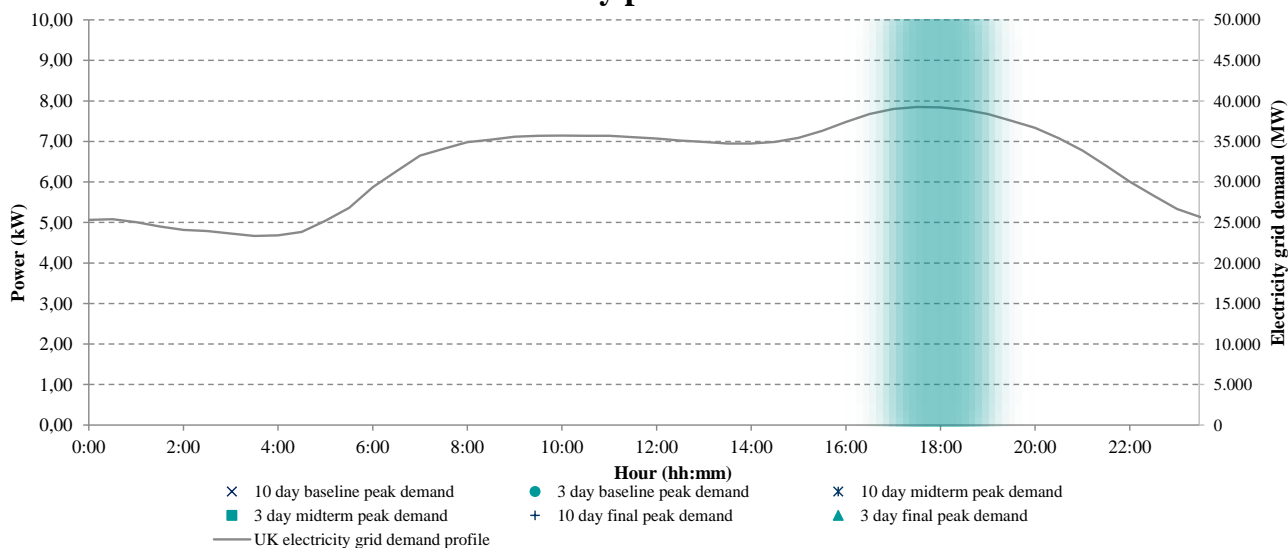
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #072	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	80
Number of storeys:	2	Number of habitable rooms:	4
Household size:	3	Internet:	Yes

Energy characteristics

SAP:	86 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	Photovoltaics

Electricity infrastructure characteristics

Manufacturer:	Talexus	Type:	Digital
Model:	ACE9000 KBD	Conversion factor (impulses/kWh):	800
Location:	Internal	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Pre-payment
Model:	-		
Location:	External	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	03/08/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	723,5		

Electricity

Initial meter reading (kWh):	14.841	Final meter reading (kWh):	16.320
10 day baseline peak demand	Power (kW): 6,33	Time (hh:mm):	13 h 40 min
3 day baseline peak demand	Power (kW): 8,40	Time (hh:mm):	13 h 58 min
Demand at the network peak	Power (kW): 1,24	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.193	Final meter reading (m³):	1.362
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Electricity consumption (kWh):	1.479,0
Gas consumption (kWh):	1.886,7
Total energy consumption (kWh):	3.365,7

Midterm reporting period			
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Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	30/05/2017
Heating Degree Days (°C) :	889,5		

Electricity			
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Initial meter reading (kWh):	16.320	Final meter reading (kWh):	17.745
10 day baseline peak demand	Power (kW): 7,26	Time (hh:mm):	12 h 59 min
3 day baseline peak demand	Power (kW): 9,63	Time (hh:mm):	14 h 34 min
Demand at the network peak	Power (kW): 1,66	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	1.362	Final meter reading (m³):	1.527
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Electricity consumption (kWh):	1.425,0
Gas consumption (kWh):	1.842,0
Total energy consumption (kWh):	3.267,0

Final reporting period			
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Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	19/01/2018
Heating Degree Days (°C) :	1.735,0		

Electricity			
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Initial meter reading (kWh):	16.320	Final meter reading (kWh):	1.586
10 day baseline peak demand	Power (kW): 7,06	Time (hh:mm):	13 h 23 min
3 day baseline peak demand	Power (kW): 9,21	Time (hh:mm):	14 h 58 min
Demand at the network peak	Power (kW): 0,89	Time (hh:mm):	17 h 0 min to 19h 0 min

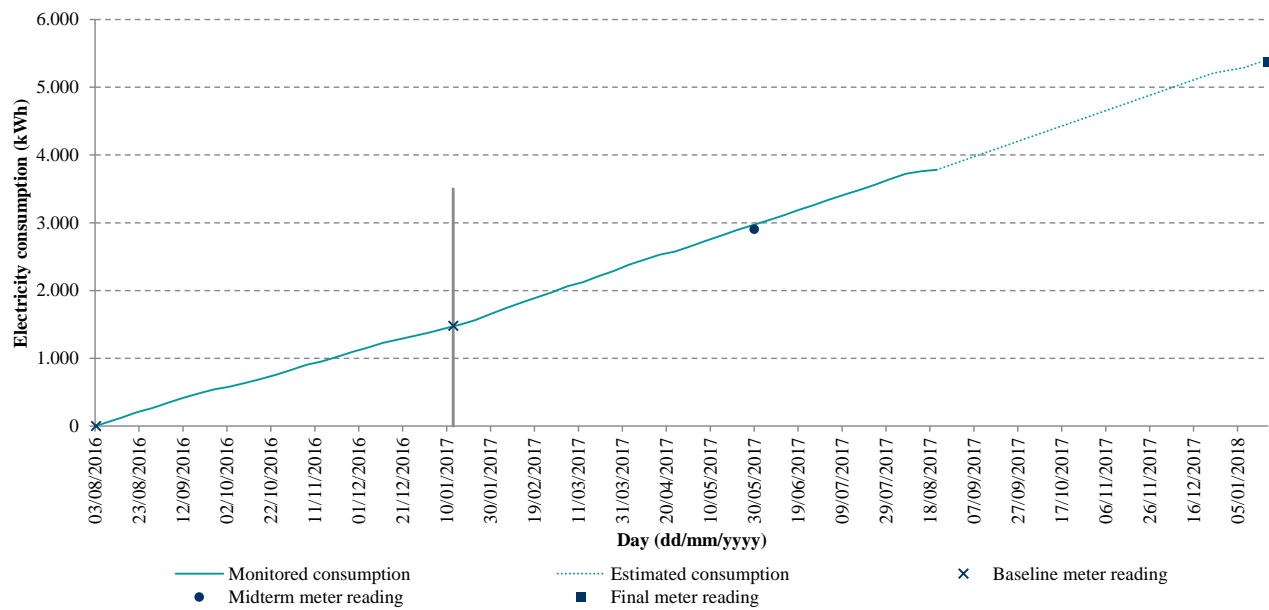
Gas			
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Initial meter reading (m³):	1.362	Final meter reading (m³):	207
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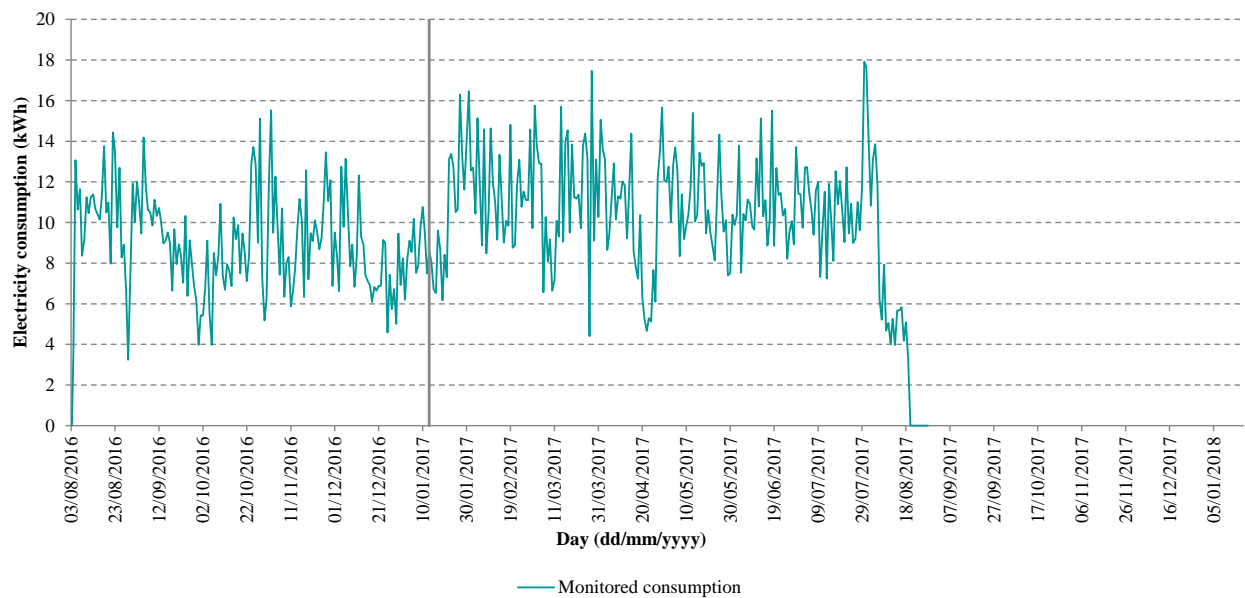
Electricity consumption (kWh):	3.889,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Baseline, midterm and final reporting period

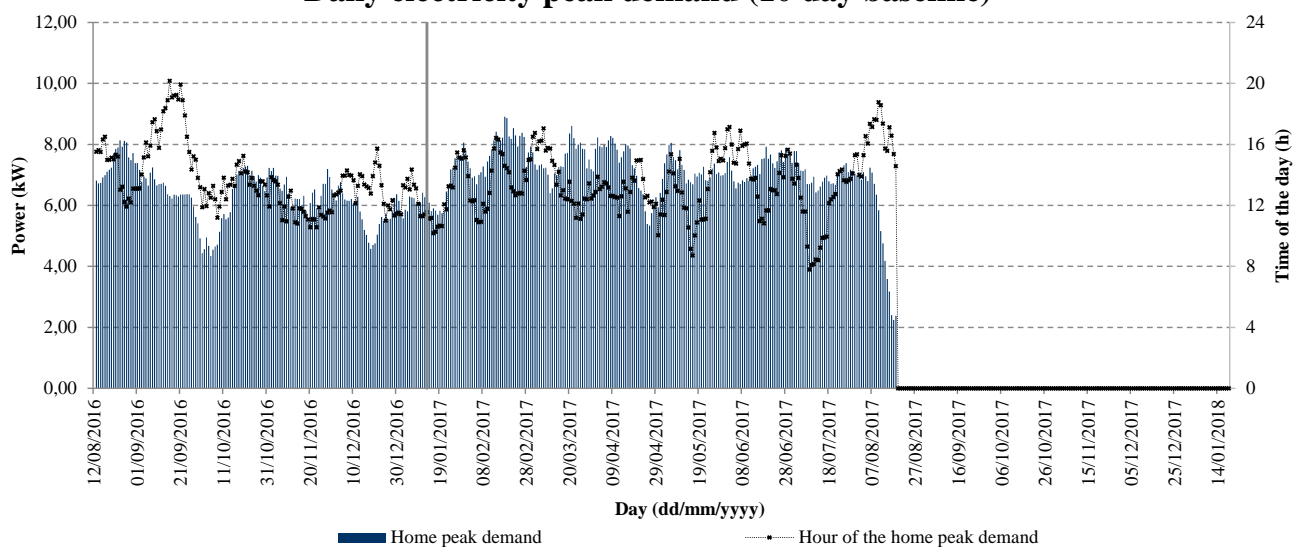
Cumulative electricity consumption



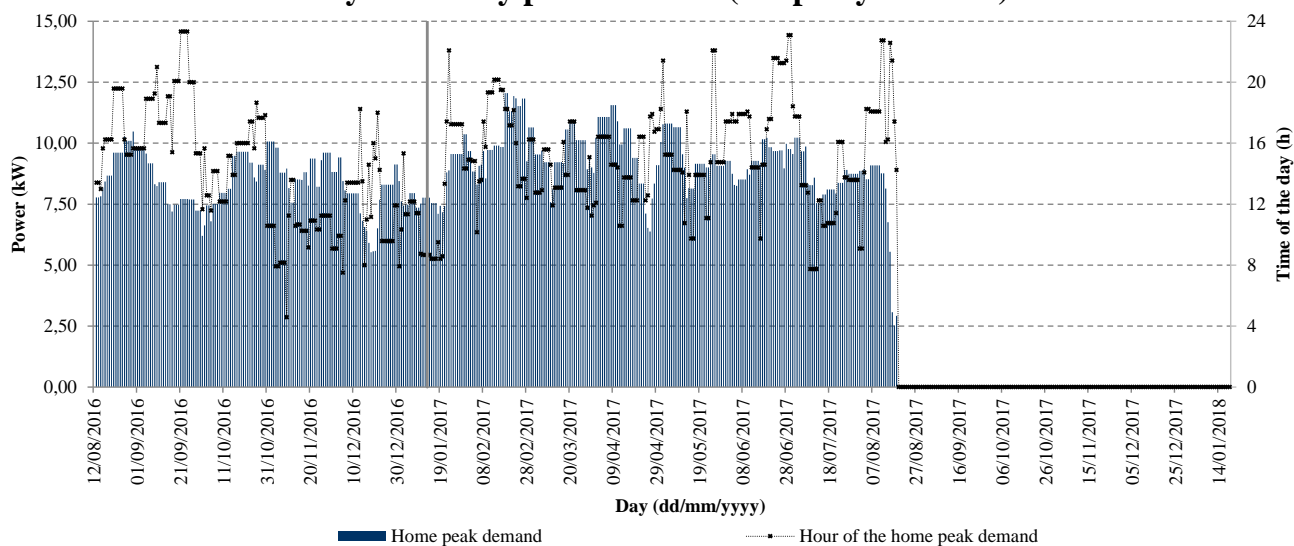
Daily electricity consumption



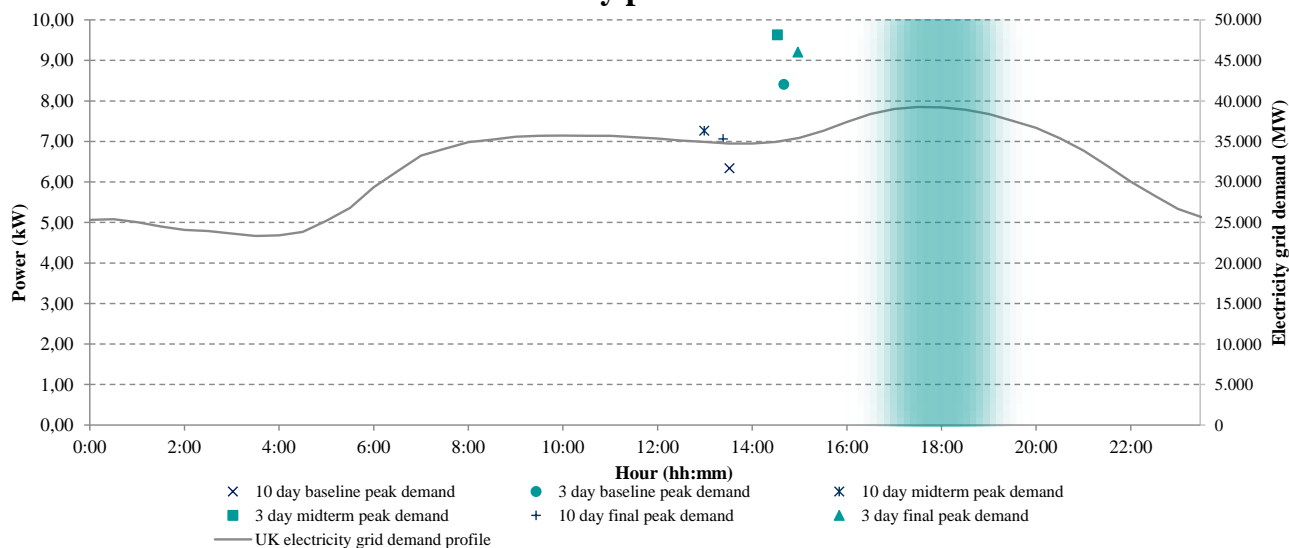
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #073	Dwelling type:	End Terrace House
Construction period:	1991-1995	Floor area (m²):	75
Number of storeys:	2	Number of habitable rooms:	4
Household size:	3	Internet:	Yes

Energy characteristics

SAP:	73 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Talexus	Type:	Pre-payment
Model:	ACE9000 KBD	Conversion factor (impulses/kWh):	800
Location:	External	Distance aggregator-meter (m):	3

Gas infrastructure characteristics

Manufacturer:	GWI	Type:	Pre-payment
Model:	-		
Location:	External	Distance aggregator-meter (m):	3

Baseline period

Starting date (dd/mm/yyyy):	03/08/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	723,5		

Electricity

Initial meter reading (kWh):	31.528	Final meter reading (kWh):	33.509
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	14.315	Final meter reading (m³):	14.546
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Electricity consumption (kWh):	1.981,0
Gas consumption (kWh):	2.578,8
Total energy consumption (kWh):	4.559,8

Midterm reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	33.509	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	14.546	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	17/01/2018
Heating Degree Days (°C) :	1.714,0		

Electricity

Initial meter reading (kWh):	33.509	Final meter reading (kWh):	37.654
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

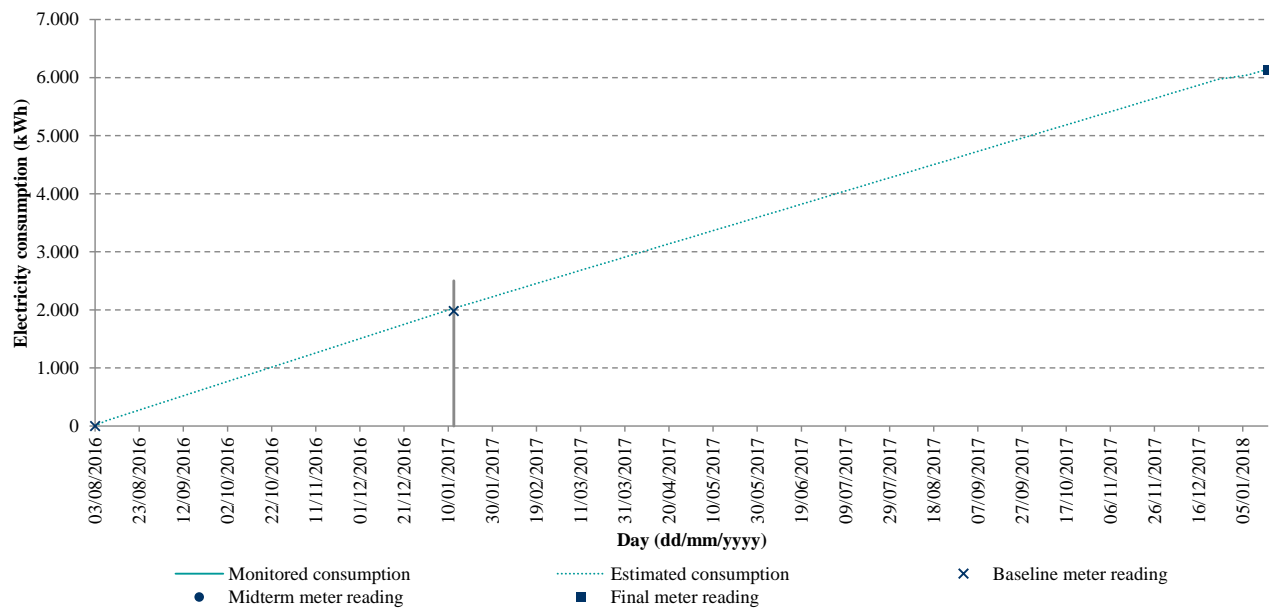
Gas

Initial meter reading (m³):	14.546	Final meter reading (m³):	14.995
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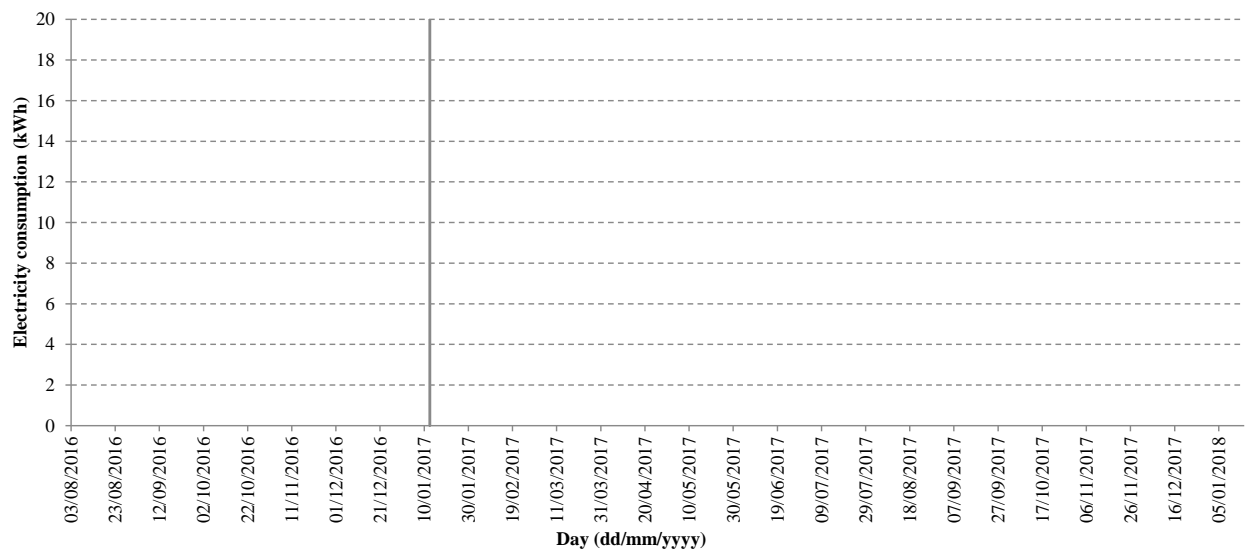
Electricity consumption (kWh):	4.144,8
Gas consumption (kWh):	5.014,2
Total energy consumption (kWh):	9.159,0

Baseline, midterm and final reporting period

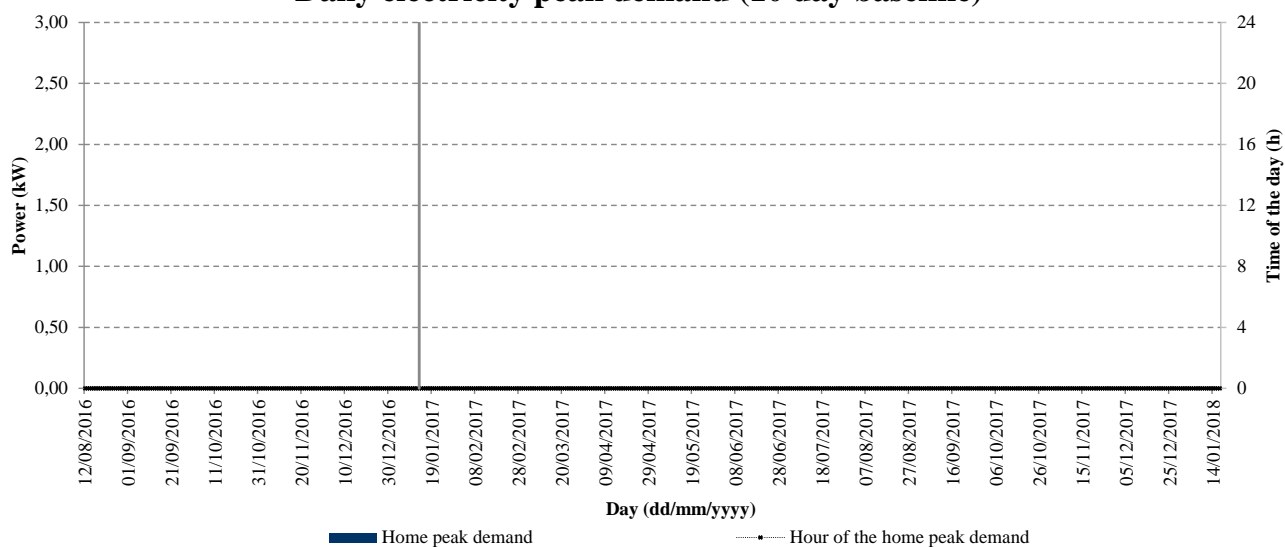
Cumulative electricity consumption



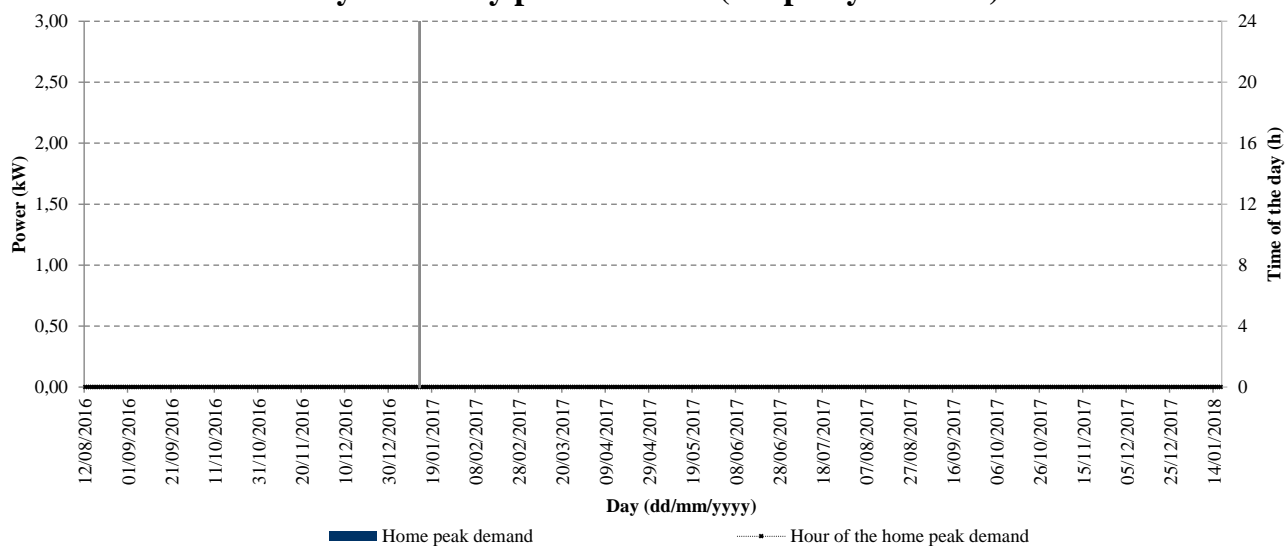
Daily electricity consumption



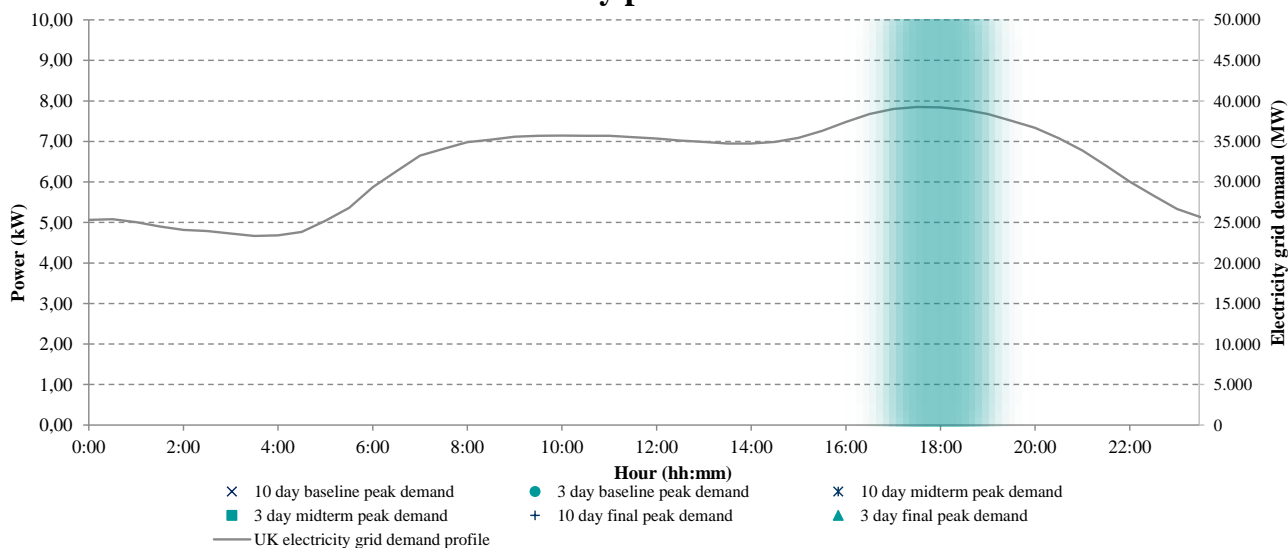
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #074	Dwelling type:	Mid Terrace House
Construction period:	1996-2002	Floor area (m²):	80
Number of storeys:	2	Number of habitable rooms:	4
Household size:	5	Internet:	Yes

Energy characteristics

SAP:	71 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Secure	Type:	Digital Smart meter
Model:	Liberty 100	Conversion factor (impulses/kWh):	3200
Location:	Outdoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Secure	Type:	Digital Smart meter
Model:	Liberty EG4V 10		
Location:	Outside	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	28/10/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	566,0		

Electricity

Initial meter reading (kWh):	8.574	Final meter reading (kWh):	9.033
10 day baseline peak demand	Power (kW): 5,18	Time (hh:mm):	16 h 29 min
3 day baseline peak demand	Power (kW): 8,62	Time (hh:mm):	16 h 55 min
Demand at the network peak	Power (kW): 1,88	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	324	Final meter reading (m³):	714
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Electricity consumption (kWh):	458,9
Gas consumption (kWh):	4.353,9
Total energy consumption (kWh):	4.812,8

Midterm reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	497	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 4,21	Time (hh:mm):	17 h 15 min
3 day baseline peak demand	Power (kW): 6,76	Time (hh:mm):	17 h 52 min
Demand at the network peak	Power (kW): 1,51	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	714	Final meter reading (m³):	-
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Electricity consumption (kWh):	684,2
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	26/01/2018
Heating Degree Days (°C) :	1.794,0		

Electricity

Initial meter reading (kWh):	9.033	Final meter reading (kWh):	10.960
10 day baseline peak demand	Power (kW): 3,94	Time (hh:mm):	16 h 35 min
3 day baseline peak demand	Power (kW): 6,30	Time (hh:mm):	16 h 38 min
Demand at the network peak	Power (kW): 1,34	Time (hh:mm):	17 h 0 min to 19h 0 min

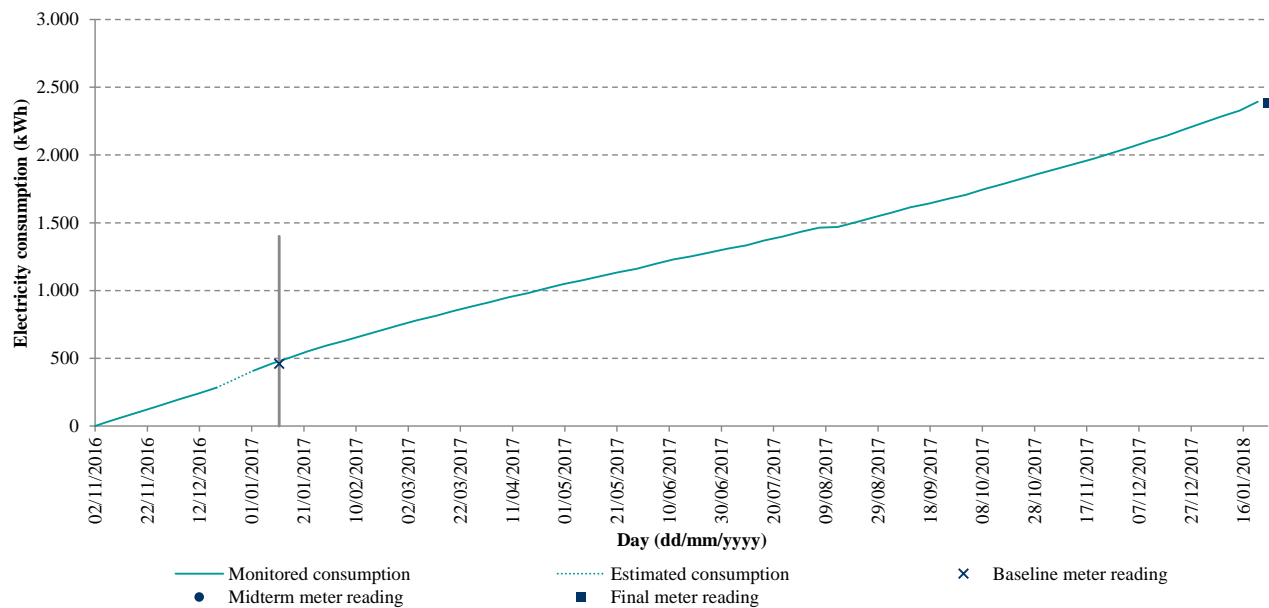
Gas

Initial meter reading (m³):	714	Final meter reading (m³):	1.585
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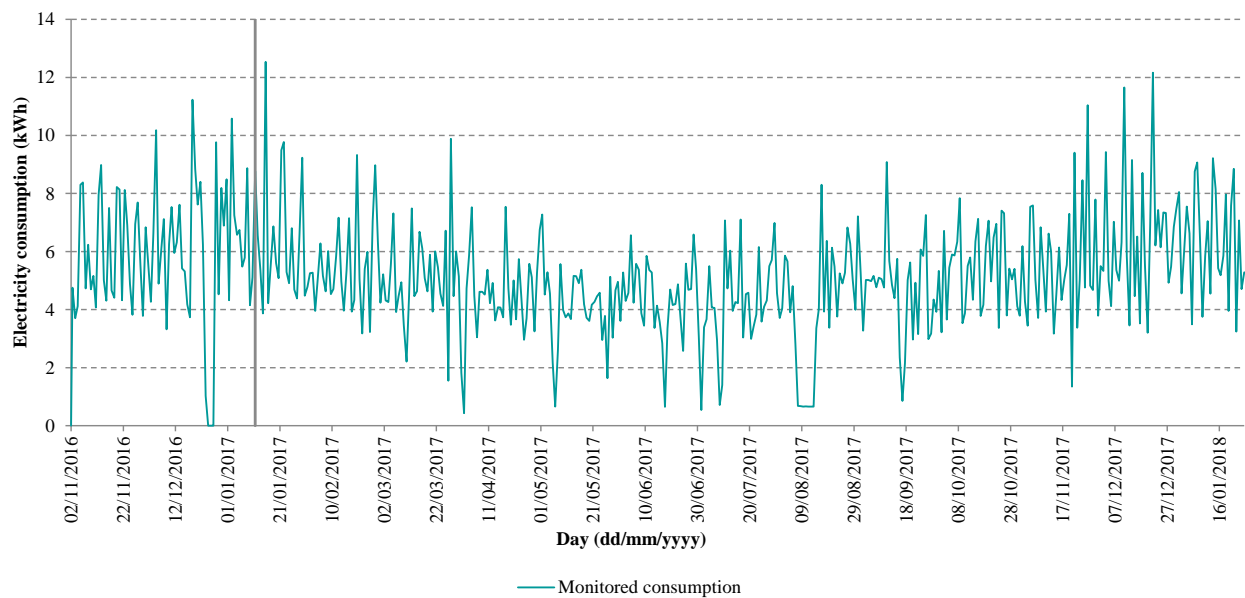
Electricity consumption (kWh):	1.926,7
Gas consumption (kWh):	9.723,7
Total energy consumption (kWh):	11.650,4

Baseline, midterm and final reporting period

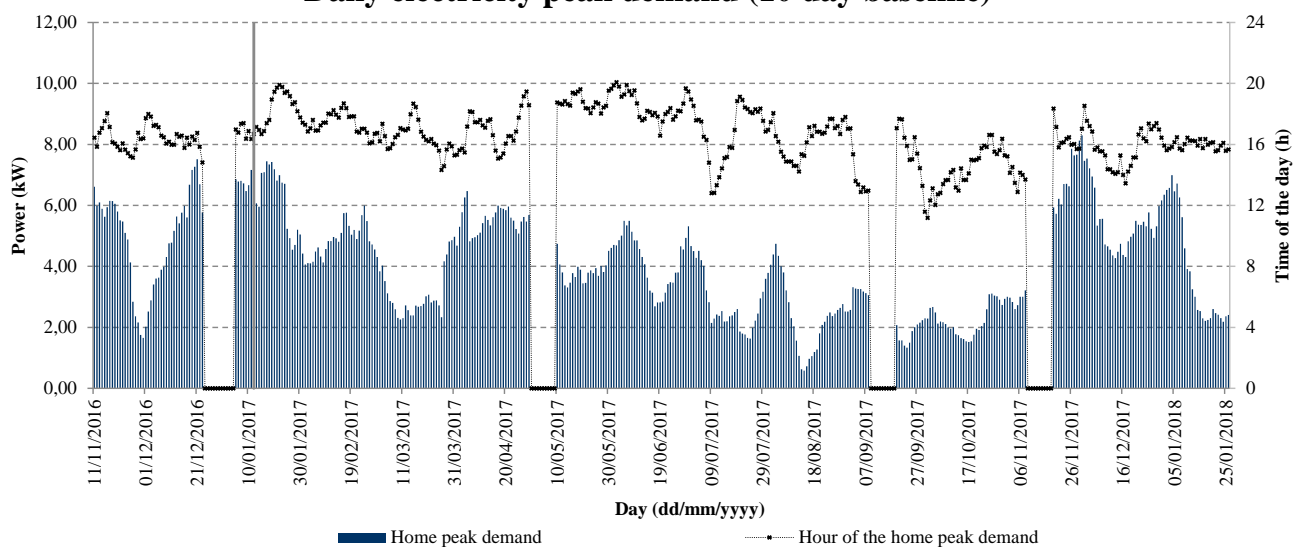
Cumulative electricity consumption



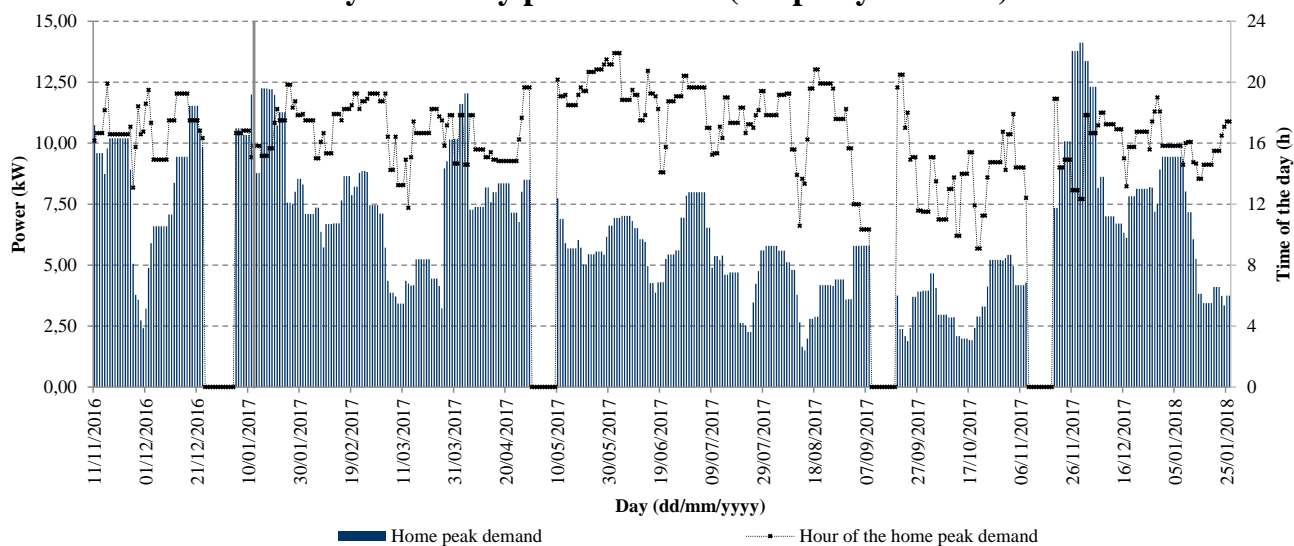
Daily electricity consumption



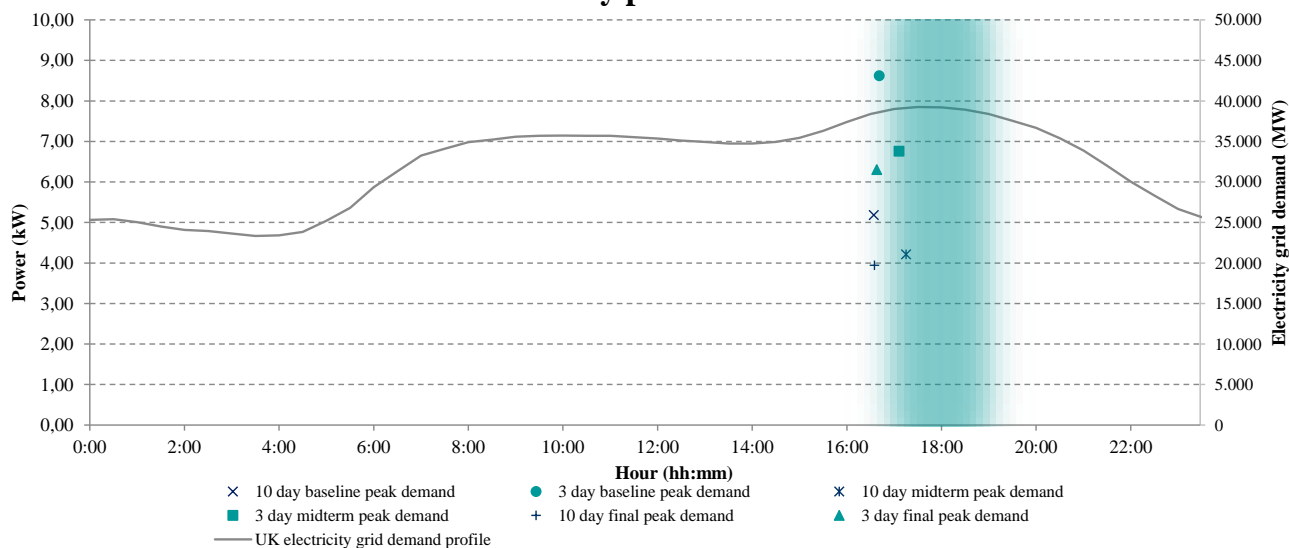
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #075	Dwelling type:	Flat
Construction period:	1983-1990	Floor area (m²):	45
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	64 D	Energy:	Electric only
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Talexus	Type:	Pre-payment
Model:	ACE9000 KBD	Conversion factor (impulses/kWh):	800
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	-	Type:	-
Model:	-		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	17/05/2016	Final date (dd/mm/yyyy):	18/01/2017
Heating Degree Days (°C) :	858,0		

Electricity

Initial meter reading (kWh):	30.216	Final meter reading (kWh):	36.979
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	6.763,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	6.763,0

Midterm reporting period			
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Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity			
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Initial meter reading (kWh):	36.979	Final meter reading (kWh):	-
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	0,23	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
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Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	19/01/2018
Heating Degree Days (°C) :	1.689,5		

Electricity			
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Initial meter reading (kWh):	36.979	Final meter reading (kWh):	44.975
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

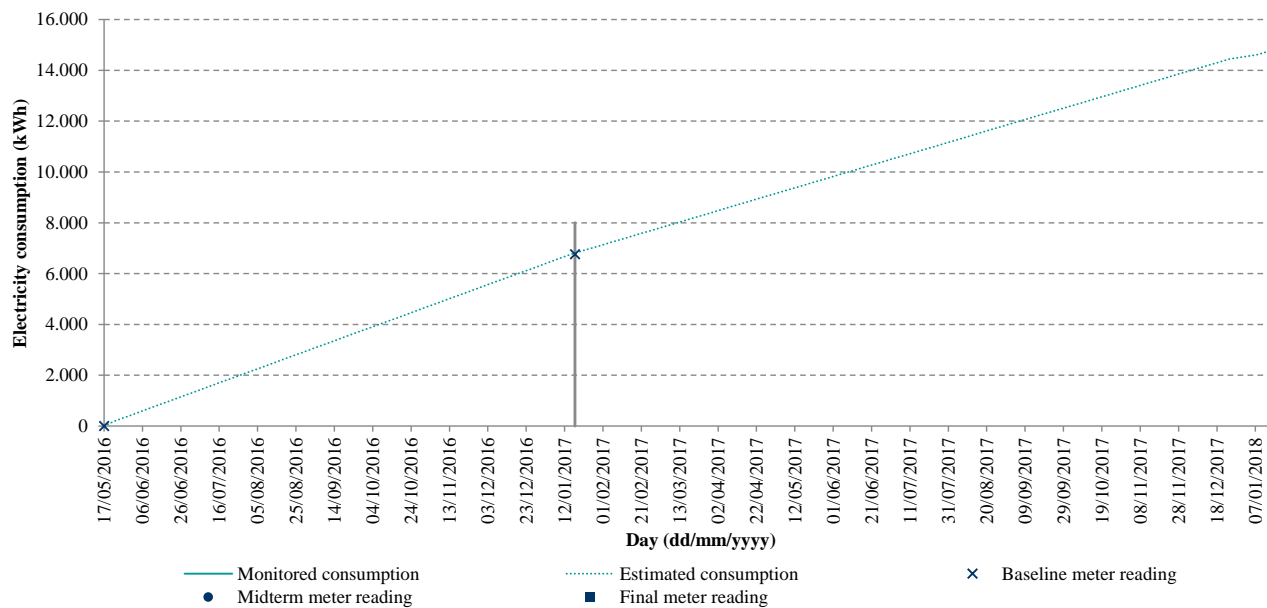
Gas			
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Initial meter reading (m³):	-	Final meter reading (m³):	-
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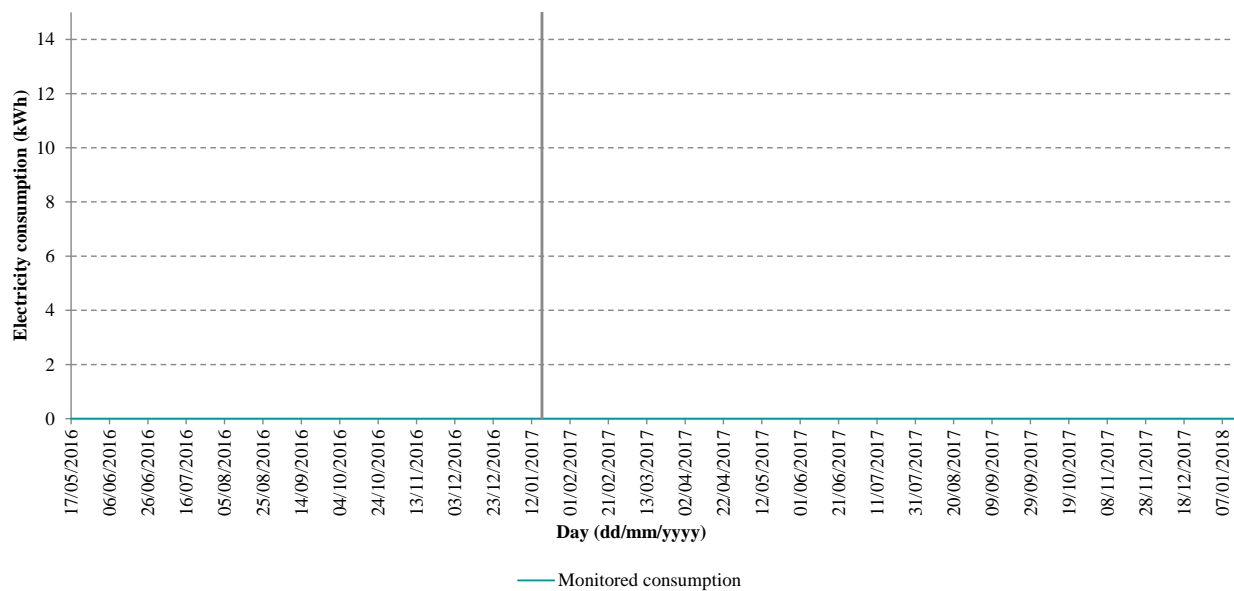
Electricity consumption (kWh):	7.996,1
Gas consumption (kWh):	-
Total energy consumption (kWh):	7.996,1

Baseline, midterm and final reporting period

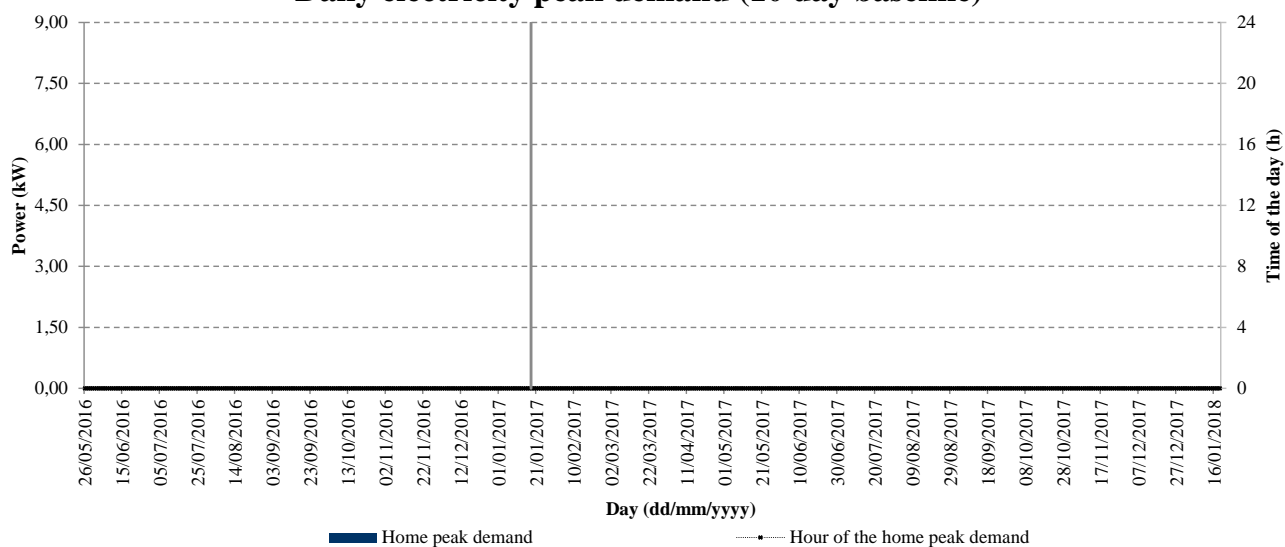
Cumulative electricity consumption



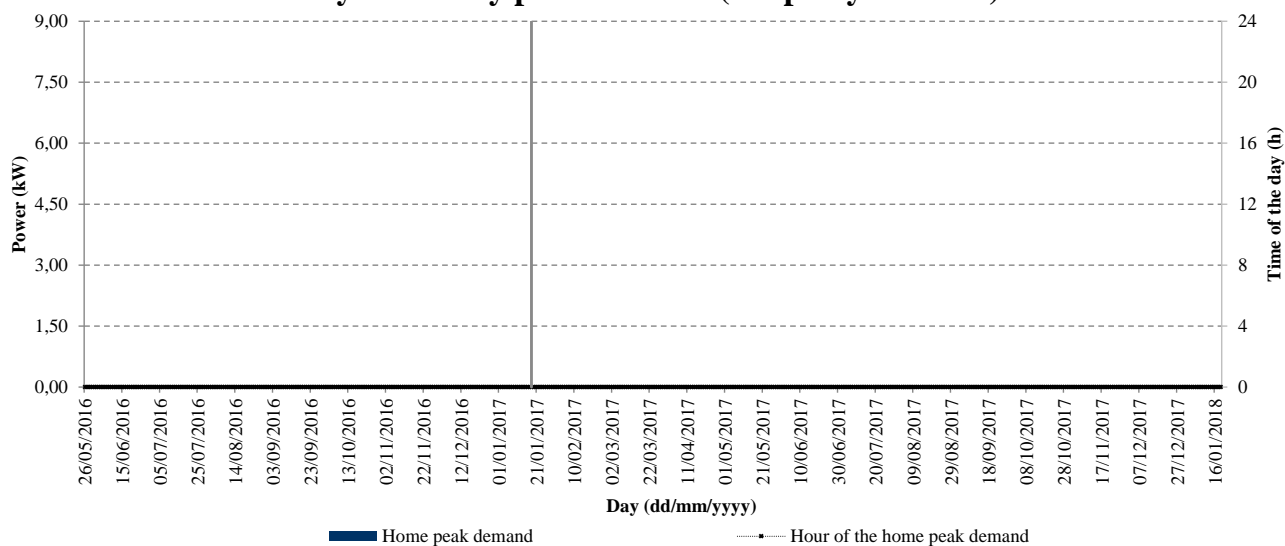
Daily electricity consumption



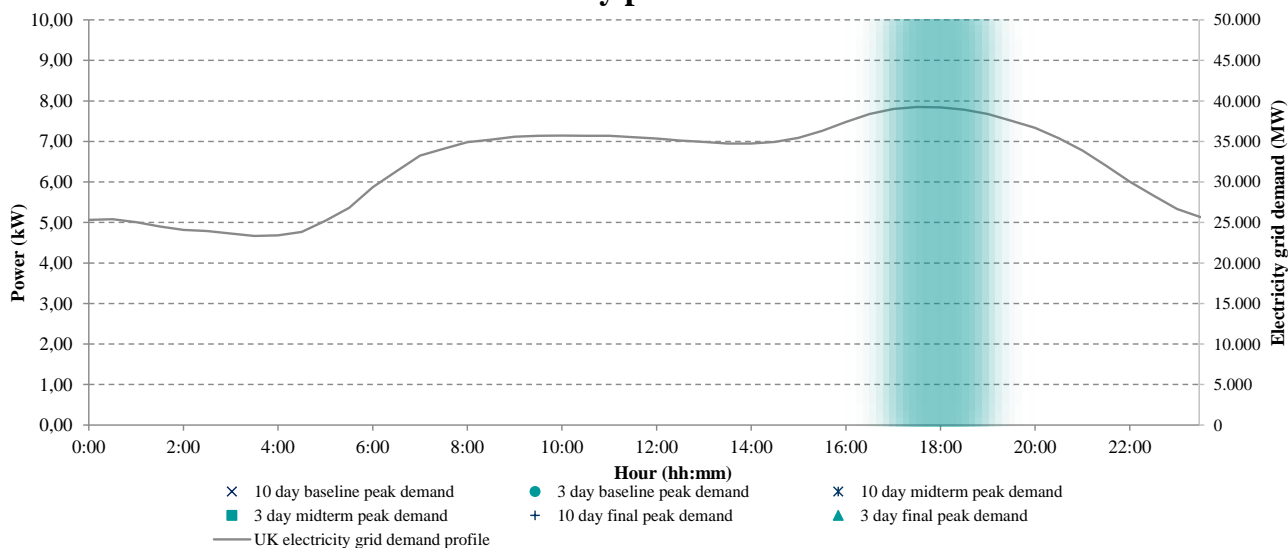
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #076	Dwelling type:	Flat
Construction period:	1991-1995	Floor area (m²):	70
Number of storeys:	1	Number of habitable rooms:	2
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	71 C	Energy:	Gas and Electric
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Pre-payment
Model:	-	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Pre-payment
Model:	-		
Location:	Outside	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	20/05/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	787,5		

Electricity

Initial meter reading (kWh):	28.708	Final meter reading (kWh):	71
10 day baseline peak demand	Power (kW): 3,32	Time (hh:mm):	16 h 40 min
3 day baseline peak demand	Power (kW): 5,45	Time (hh:mm):	17 h 36 min
Demand at the network peak	Power (kW): 1,32	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.563	Final meter reading (m³):	19
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Electricity consumption (kWh):	2.151,9
Gas consumption (kWh):	n/a
Total energy consumption (kWh):	n/a

Midterm reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	10/05/2017
Heating Degree Days (°C) :	853,0		

Electricity

Initial meter reading (kWh):	71	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 1,26	Time (hh:mm):	16 h 59 min
3 day baseline peak demand	Power (kW): 2,21	Time (hh:mm):	18 h 14 min
Demand at the network peak	Power (kW): 0,63	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	19	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	25/01/2018
Heating Degree Days (°C) :	1.785,5		

Electricity

Initial meter reading (kWh):	71	Final meter reading (kWh):	3.355
10 day baseline peak demand	Power (kW): 3,09	Time (hh:mm):	16 h 54 min
3 day baseline peak demand	Power (kW): 5,24	Time (hh:mm):	18 h 6 min
Demand at the network peak	Power (kW): 6,68	Time (hh:mm):	17 h 0 min to 19h 0 min

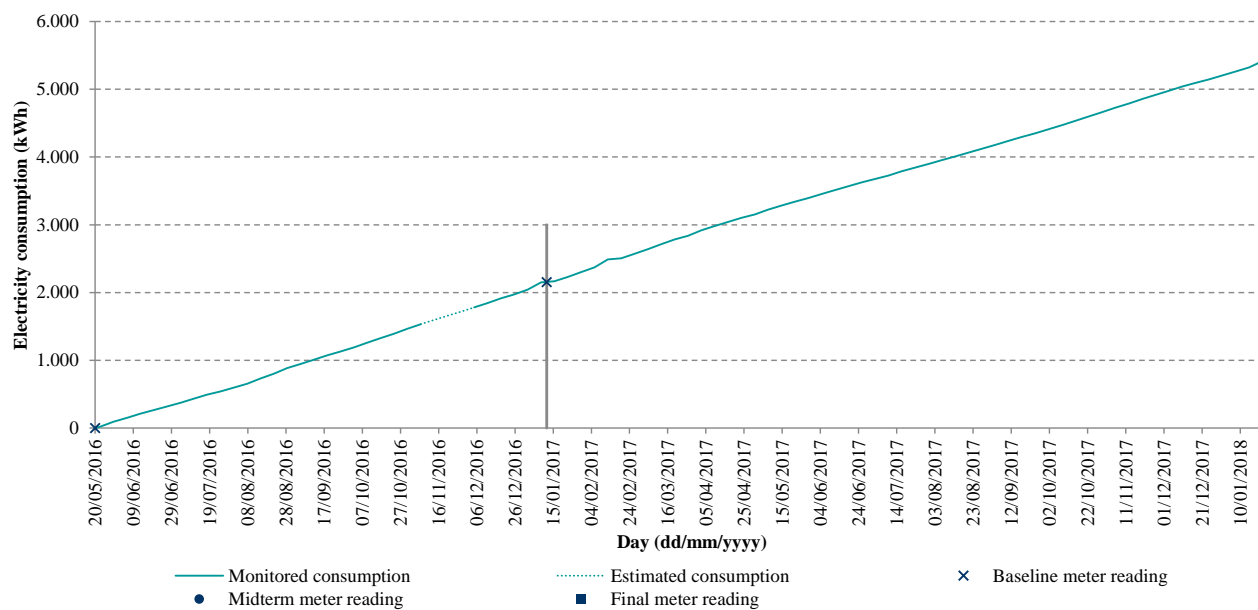
Gas

Initial meter reading (m³):	19	Final meter reading (m³):	541
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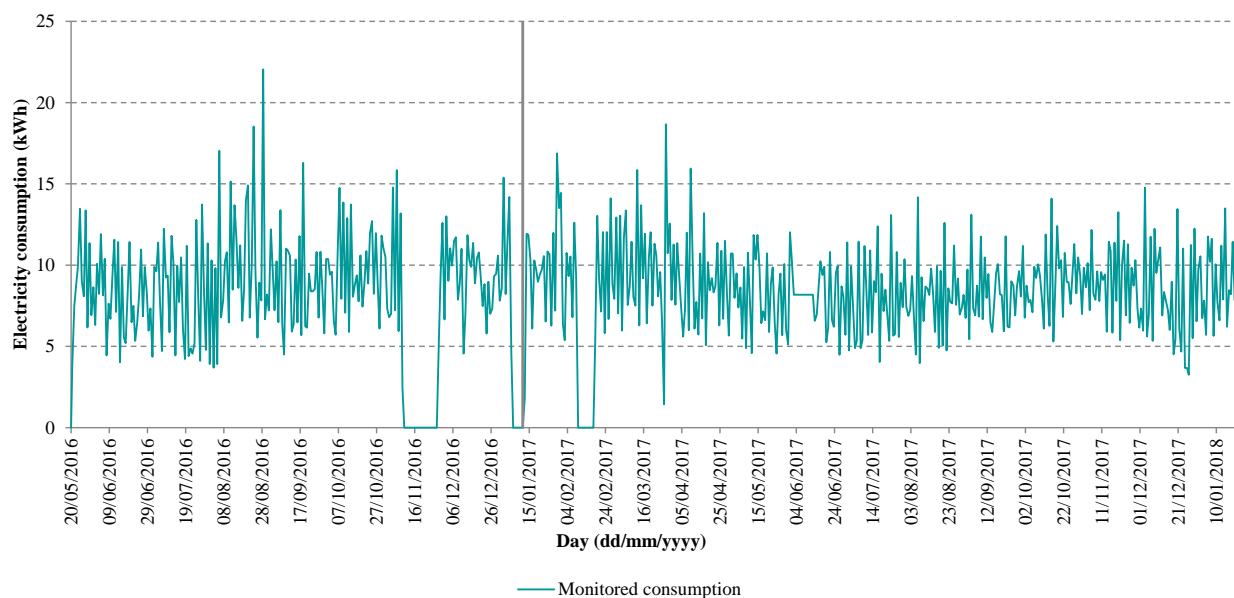
Electricity consumption (kWh):	3.283,5
Gas consumption (kWh):	5.827,5
Total energy consumption (kWh):	9.111,0

Baseline, midterm and final reporting period

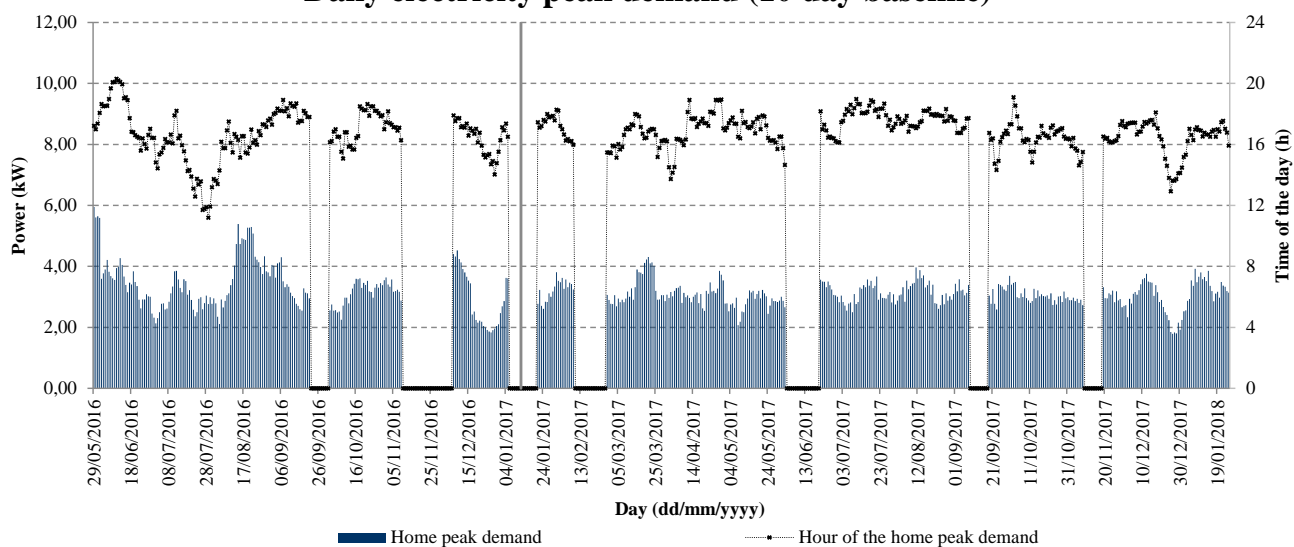
Cumulative electricity consumption



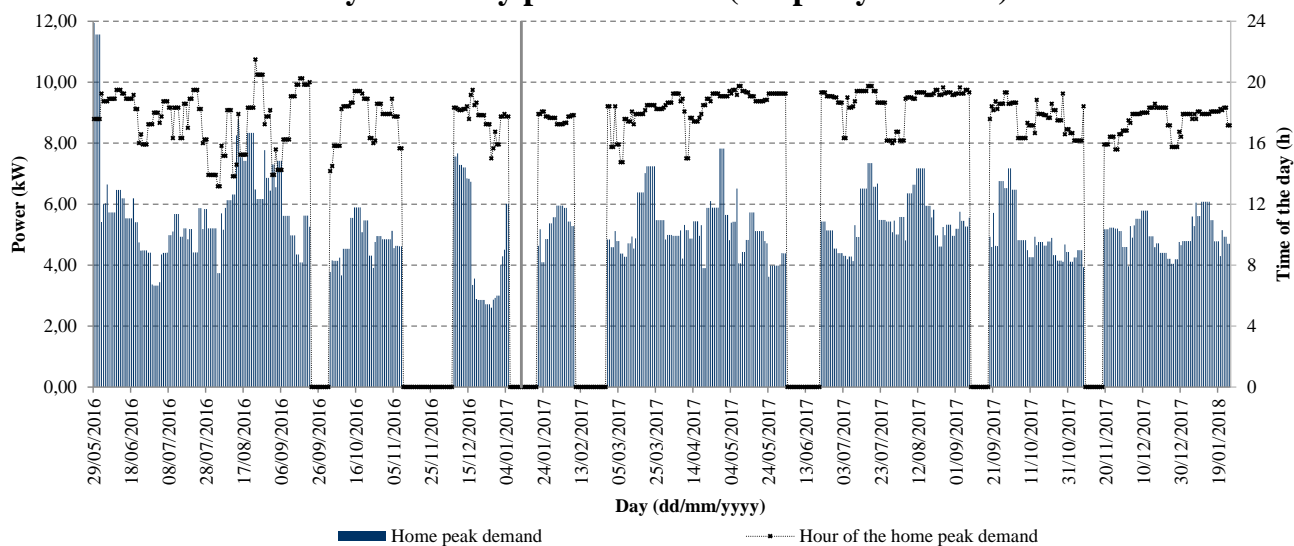
Daily electricity consumption



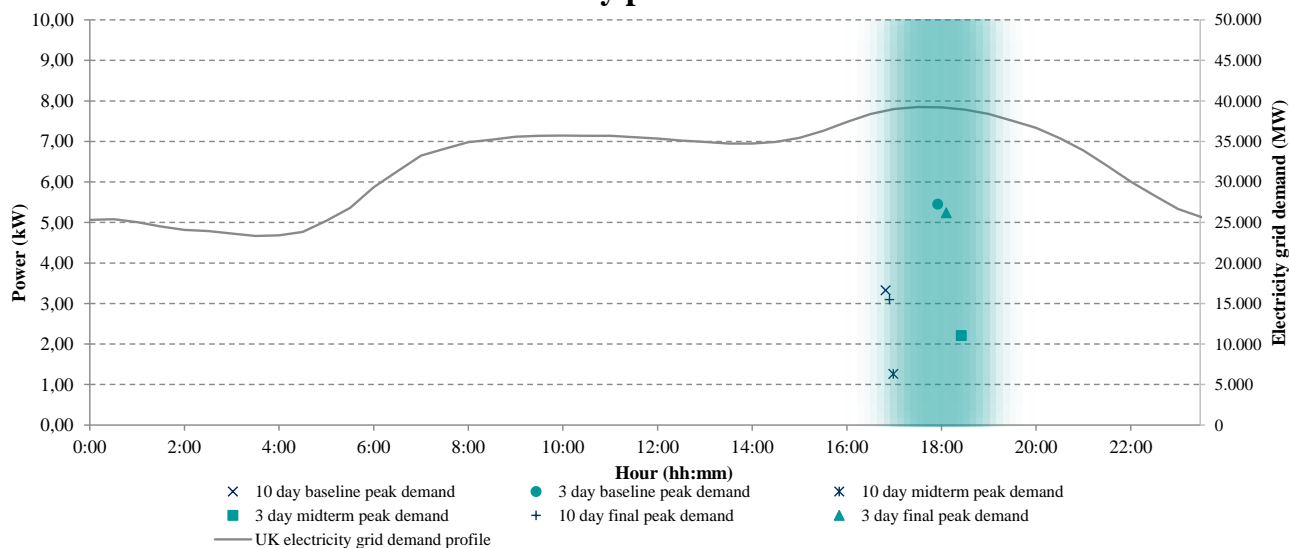
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #077	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	62
Number of storeys:	2	Number of habitable rooms:	3
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	69 D	Energy:	Gas and Electric
Main heating fuel:	Electricity	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E470	Conversion factor (impulses/kWh):	1000
Location:	Outdoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	G370		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	20/05/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	787,5		

Electricity

Initial meter reading (kWh):	2.610	Final meter reading (kWh):	4.202
10 day baseline peak demand	Power (kW): 1,18	Time (hh:mm):	15 h 0 min
3 day baseline peak demand	Power (kW): 1,42	Time (hh:mm):	12 h 18 min
Demand at the network peak	Power (kW): 0,42	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	516	Final meter reading (m³):	817
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Electricity consumption (kWh):	1.592,0
Gas consumption (kWh):	3.360,3
Total energy consumption (kWh):	4.952,3

Midterm reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	10/05/2017
Heating Degree Days (°C) :	853,0		

Electricity

Initial meter reading (kWh):	4.202	Final meter reading (kWh):	4.809
10 day baseline peak demand	Power (kW): 1,35	Time (hh:mm):	15 h 6 min
3 day baseline peak demand	Power (kW): 1,92	Time (hh:mm):	13 h 53 min
Demand at the network peak	Power (kW): 2,49	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	817	Final meter reading (m³):	-
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Electricity consumption (kWh):	607,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	22/01/2018
Heating Degree Days (°C) :	1.766,0		

Electricity

Initial meter reading (kWh):	4.202	Final meter reading (kWh):	6.220
10 day baseline peak demand	Power (kW): 1,35	Time (hh:mm):	15 h 6 min
3 day baseline peak demand	Power (kW): 1,92	Time (hh:mm):	13 h 53 min
Demand at the network peak	Power (kW): 1,09	Time (hh:mm):	17 h 0 min to 19h 0 min

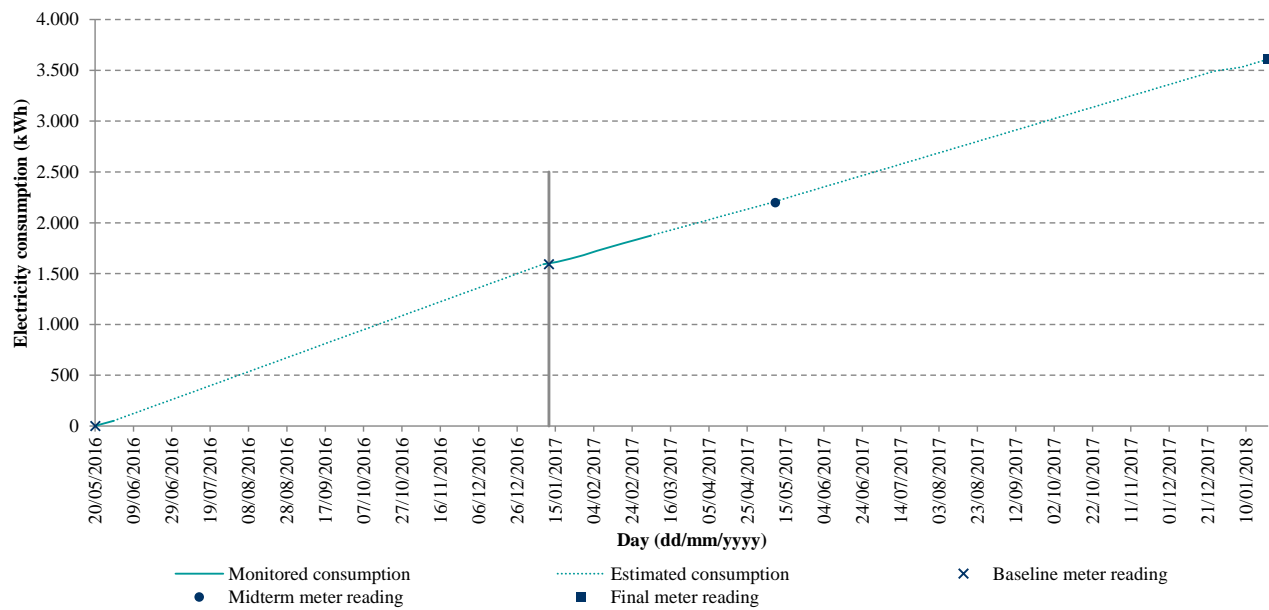
Gas

Initial meter reading (m³):	817	Final meter reading (m³):	1.249
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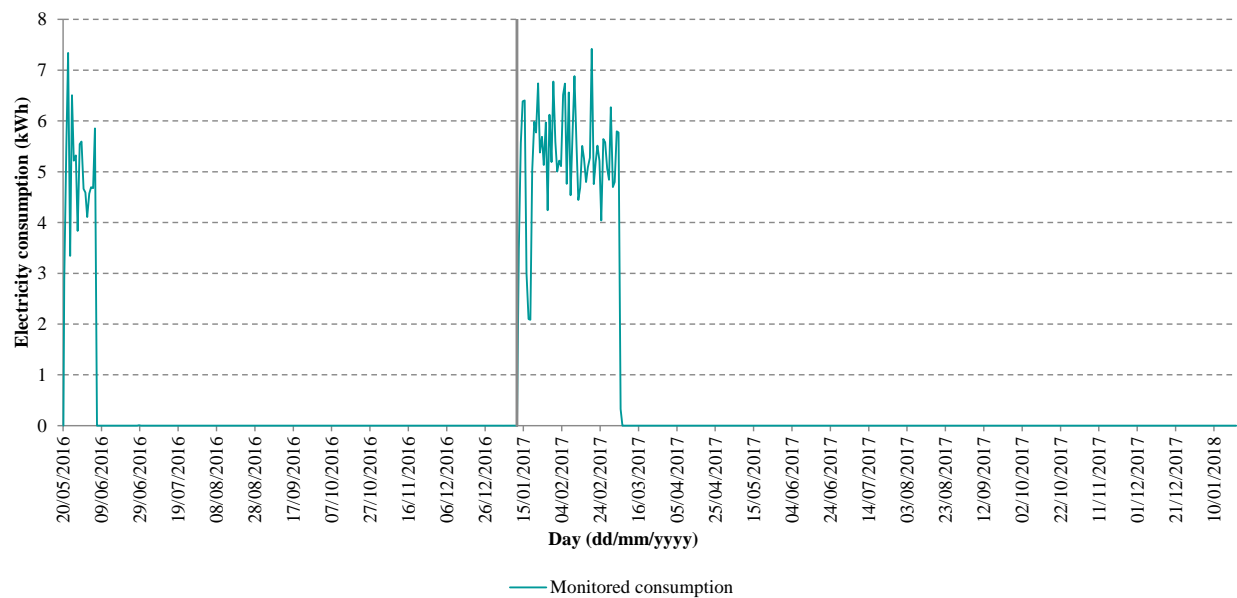
Electricity consumption (kWh):	2.018,0
Gas consumption (kWh):	4.819,7
Total energy consumption (kWh):	6.837,7

Baseline, midterm and final reporting period

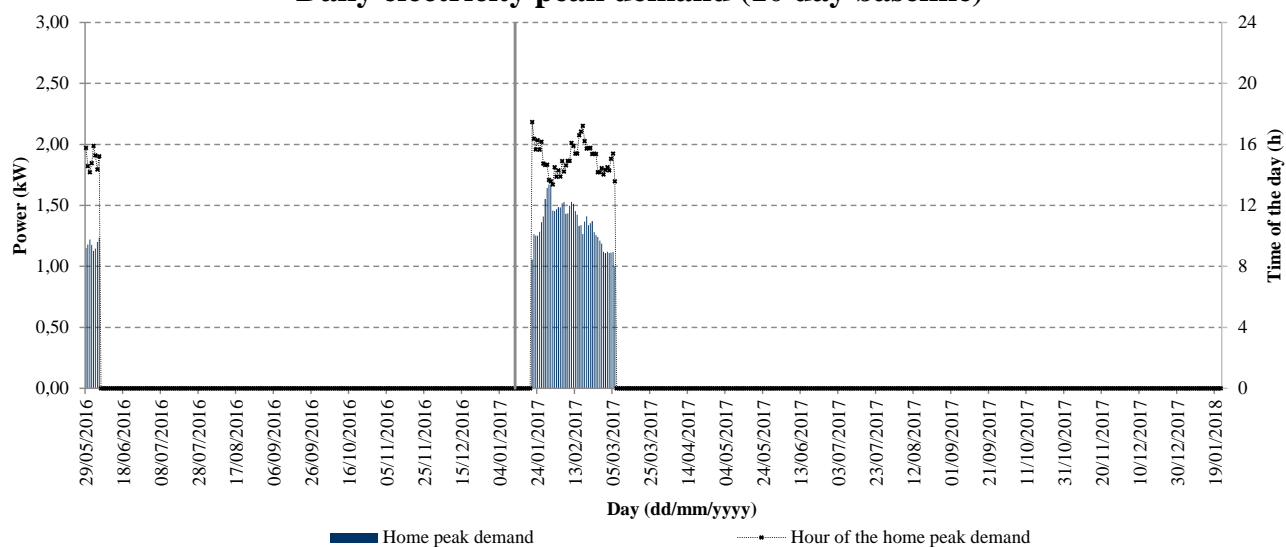
Cumulative electricity consumption



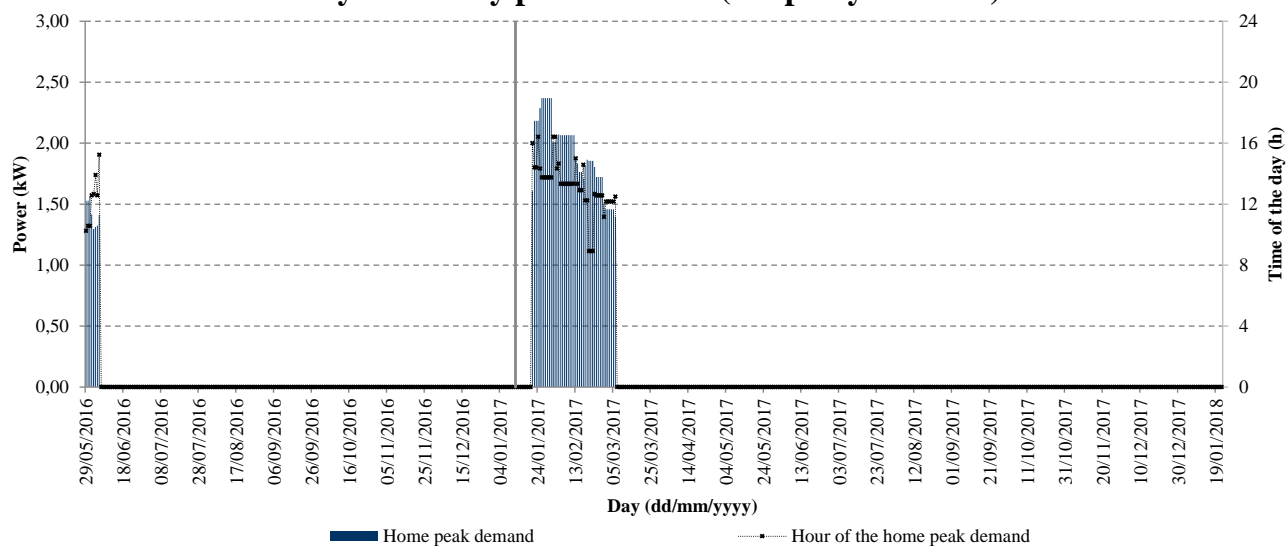
Daily electricity consumption



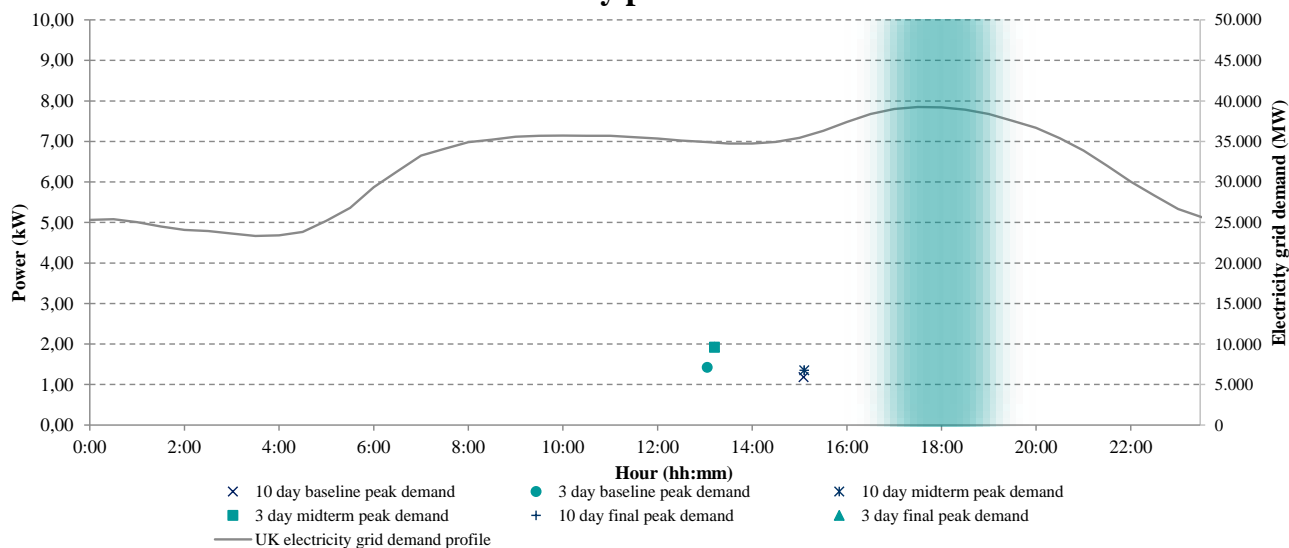
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #078	Dwelling type:	Mid Terrace House
Construction period:	1983-1990	Floor area (m²):	56
Number of storeys:	1	Number of habitable rooms:	3
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	61 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E470	Conversion factor (impulses/kWh):	1000
Location:	Outdoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	G370		
Location:	Outdoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	18/05/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C) :	842		

Electricity

Initial meter reading (kWh):	2.975	Final meter reading (kWh):	5.051
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	351	Final meter reading (m³):	667
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Electricity consumption (kWh):	2.076,0
Gas consumption (kWh):	3.527,8
Total energy consumption (kWh):	5.603,8

Midterm reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	14/05/2017
Heating Degree Days (°C) :	819,5		

Electricity

Initial meter reading (kWh):	5.051	Final meter reading (kWh):	5.920
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	667	Final meter reading (m³):	-
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Electricity consumption (kWh):	869,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	16/01/2018
Heating Degree Days (°C) :	1667,5		

Electricity

Initial meter reading (kWh):	5.051	Final meter reading (kWh):	7.886
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

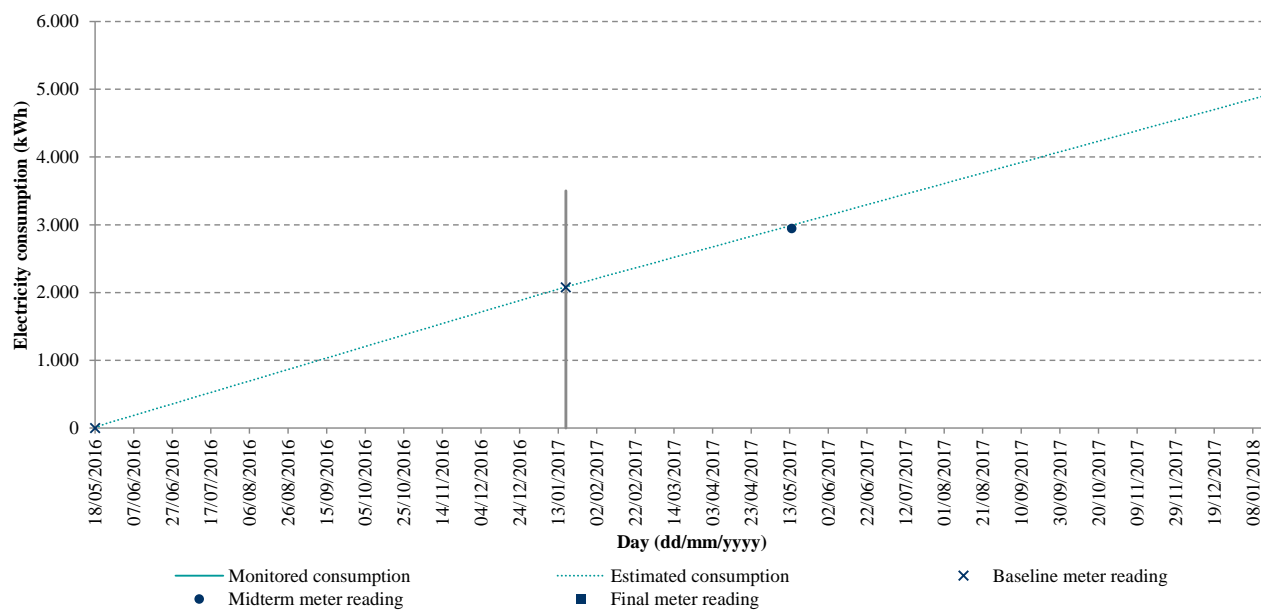
Gas

Initial meter reading (m³):	667	Final meter reading (m³):	1.068
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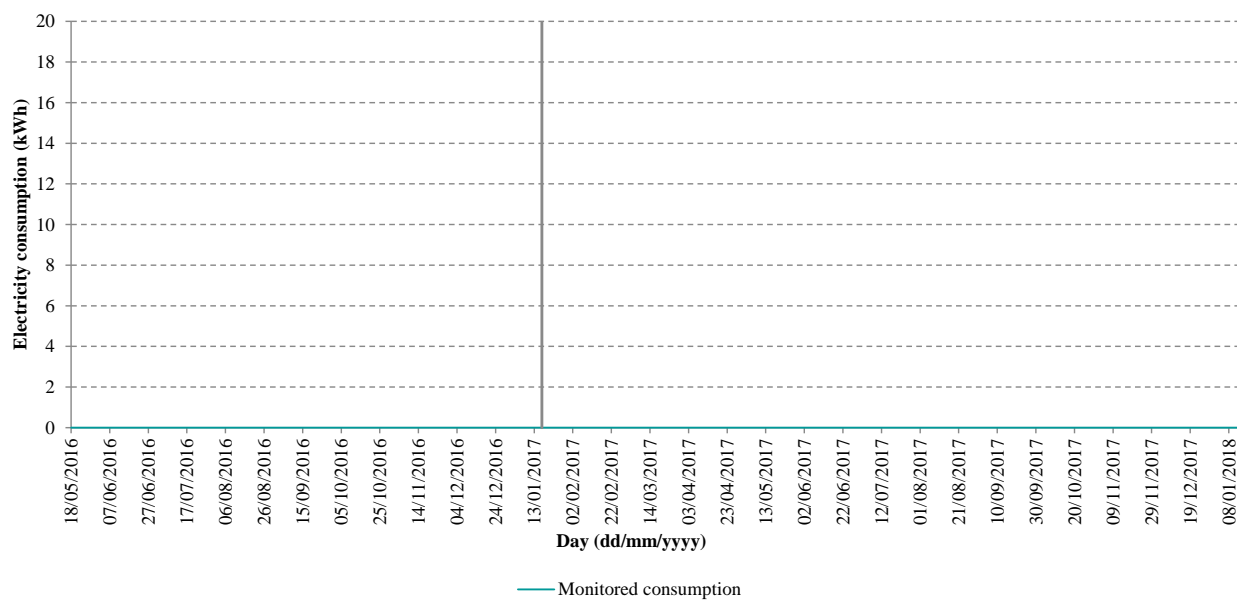
Electricity consumption (kWh):	2.835,0
Gas consumption (kWh):	4.478,1
Total energy consumption (kWh):	7.313,1

Baseline, midterm and final reporting period

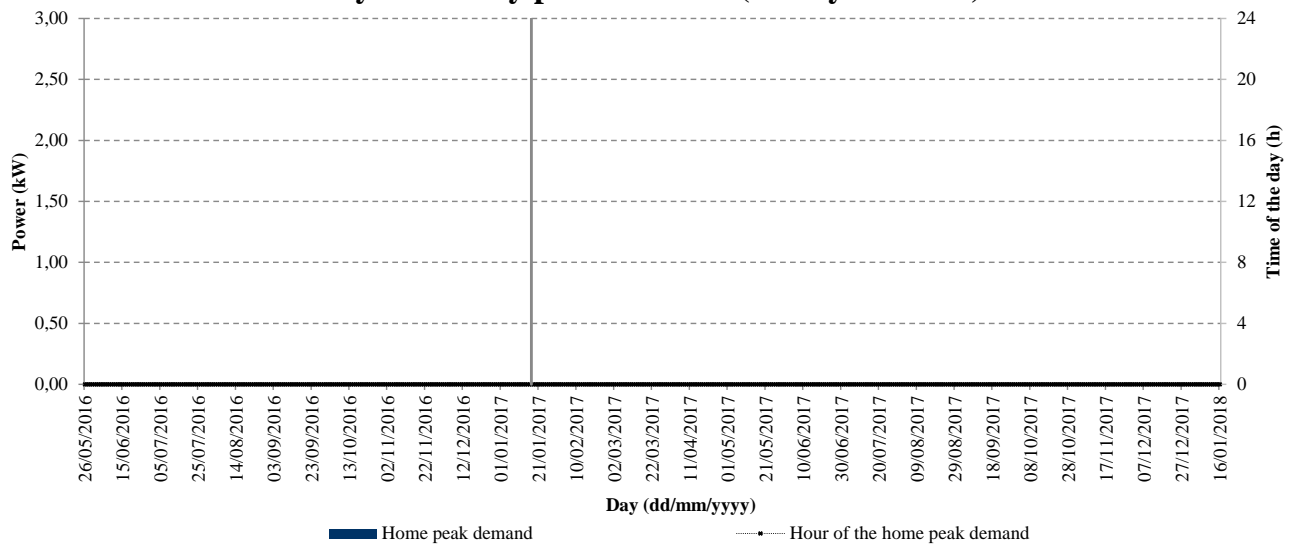
Cumulative electricity consumption



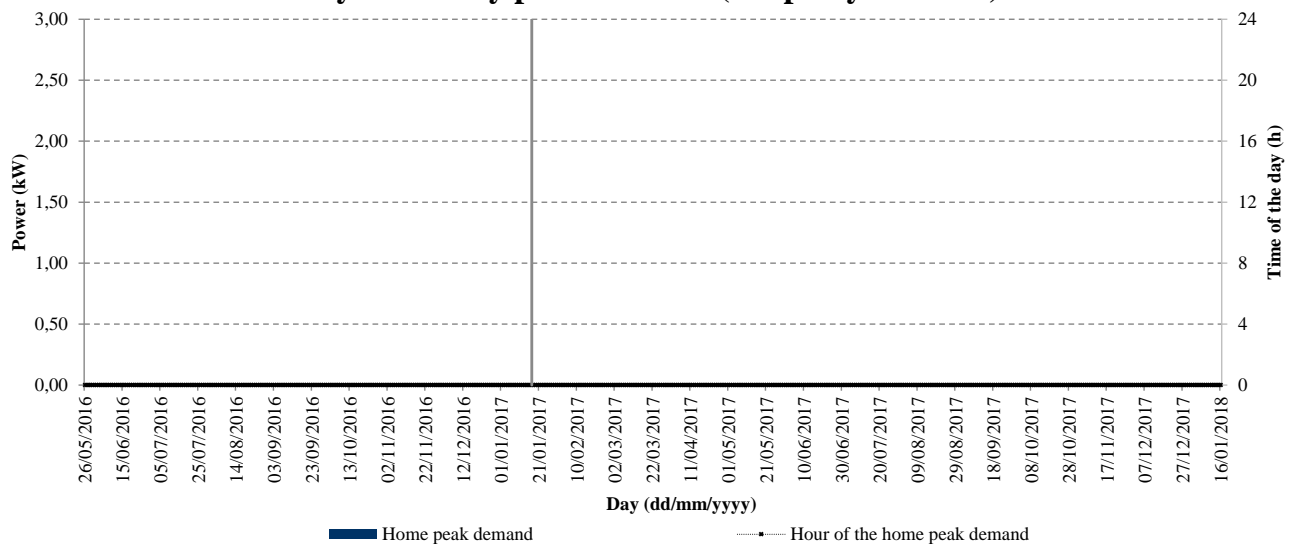
Daily electricity consumption



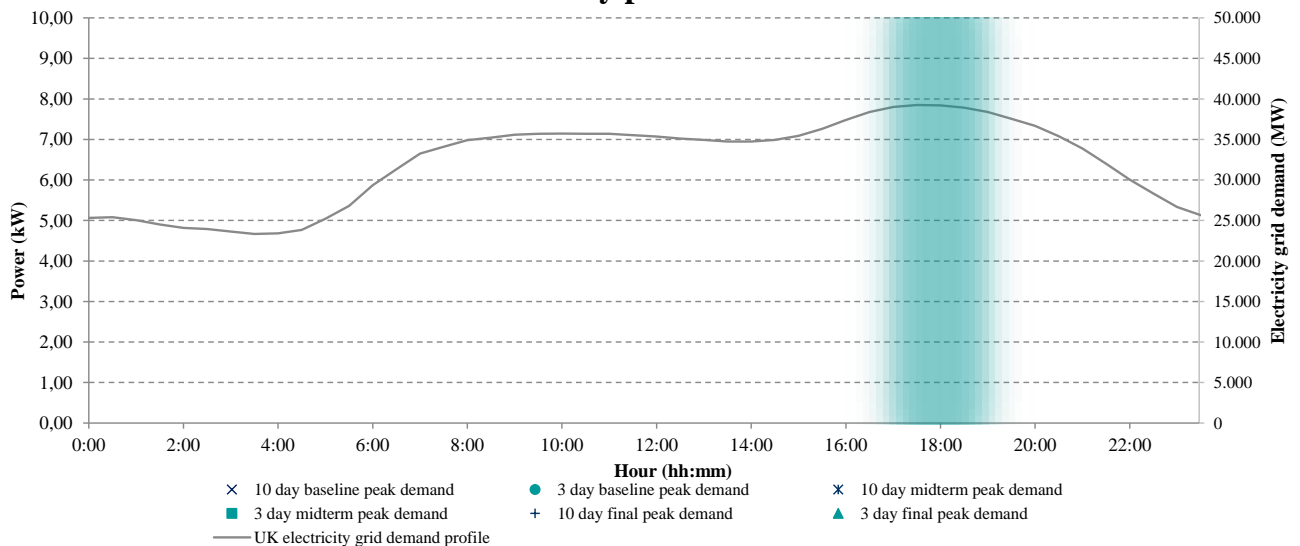
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #079	Dwelling type:	Mid Terrace House
Construction period:	2003-2006	Floor area (m²):	79
Number of storeys:	2	Number of habitable rooms:	4
Household size:	4	Internet:	Yes

Energy characteristics

SAP:	71 C	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Pre-payment
Model:	ZCE527-1	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Sensus	Type:	Pre-payment
Model:	U6		
Location:	Outdoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	05/05/2016	Final date (dd/mm/yyyy):	18/01/2017
Heating Degree Days (°C) :	885,5		

Electricity

Initial meter reading (kWh):	41.536	Final meter reading (kWh):	44.363
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): 0,77	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	6.248	Final meter reading (m³):	6.574
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Electricity consumption (kWh):	2.826,7
Gas consumption (kWh):	3.639,4
Total energy consumption (kWh):	6.466,1

Midterm reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	14/05/2017
Heating Degree Days (°C) :	811		

Electricity

Initial meter reading (kWh):	4.363	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	6.574	Final meter reading (m³):	6.799
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Electricity consumption (kWh):	1.341,2
Gas consumption (kWh):	2.511,9
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	18/01/2017	Final date (dd/mm/yyyy):	26/01/2018
Heating Degree Days (°C) :	1738		

Electricity

Initial meter reading (kWh):	44.363	Final meter reading (kWh):	48.197
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

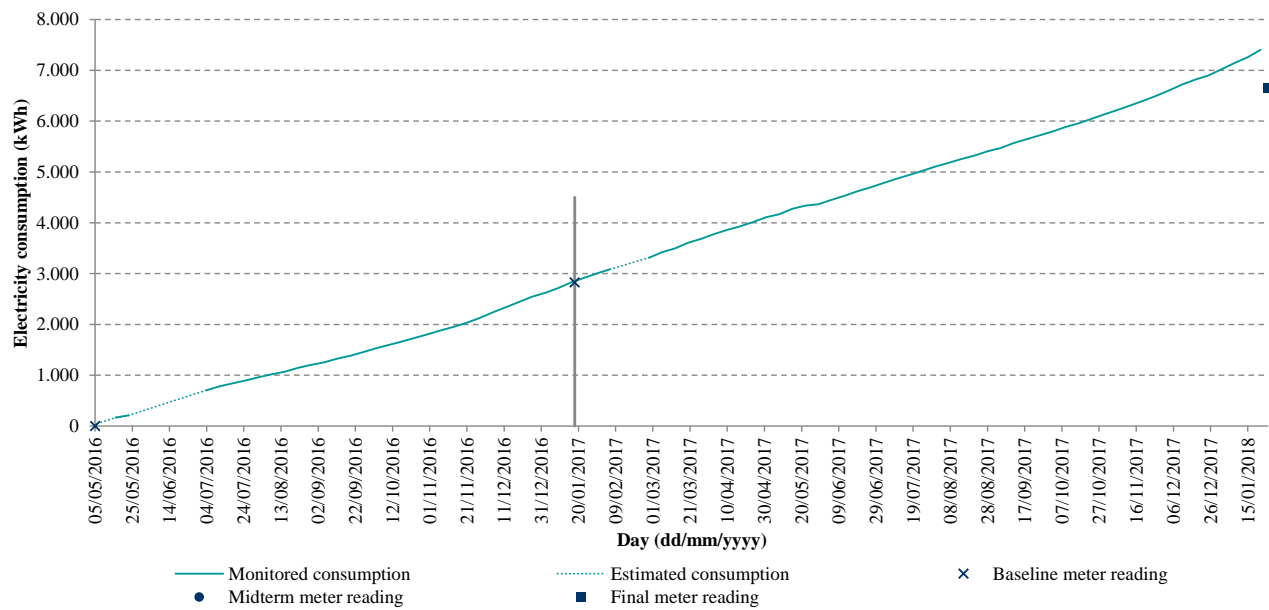
Gas

Initial meter reading (m³):	6.574	Final meter reading (m³):	7.110
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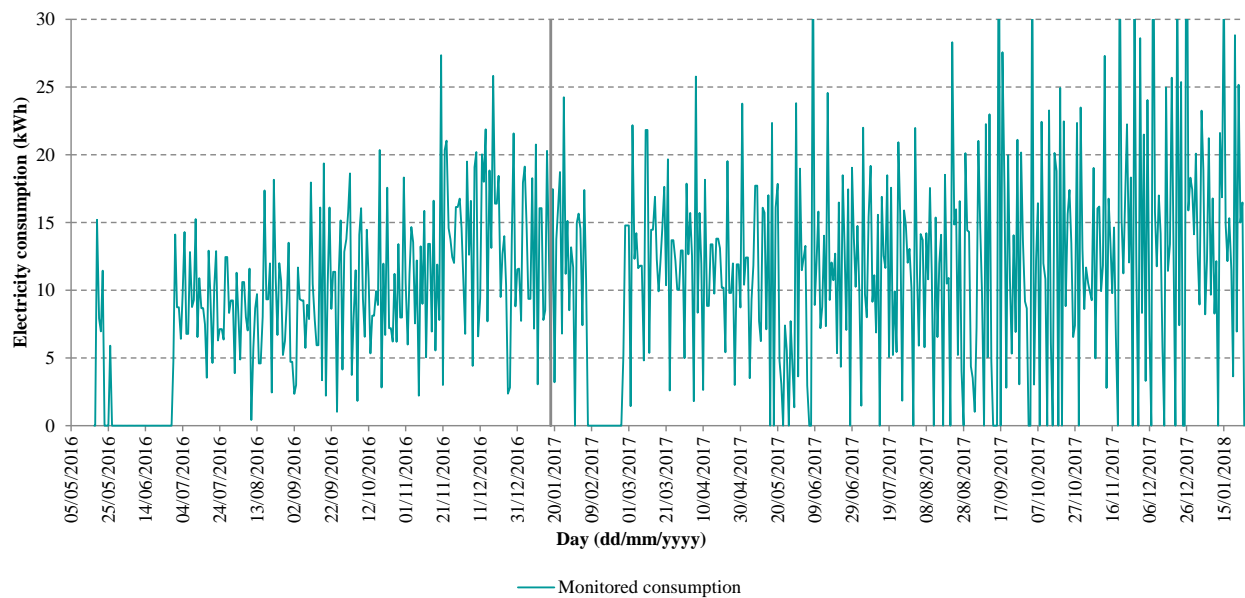
Electricity consumption (kWh):	3.834,0
Gas consumption (kWh):	5.979,2
Total energy consumption (kWh):	9.813,3

Baseline, midterm and final reporting period

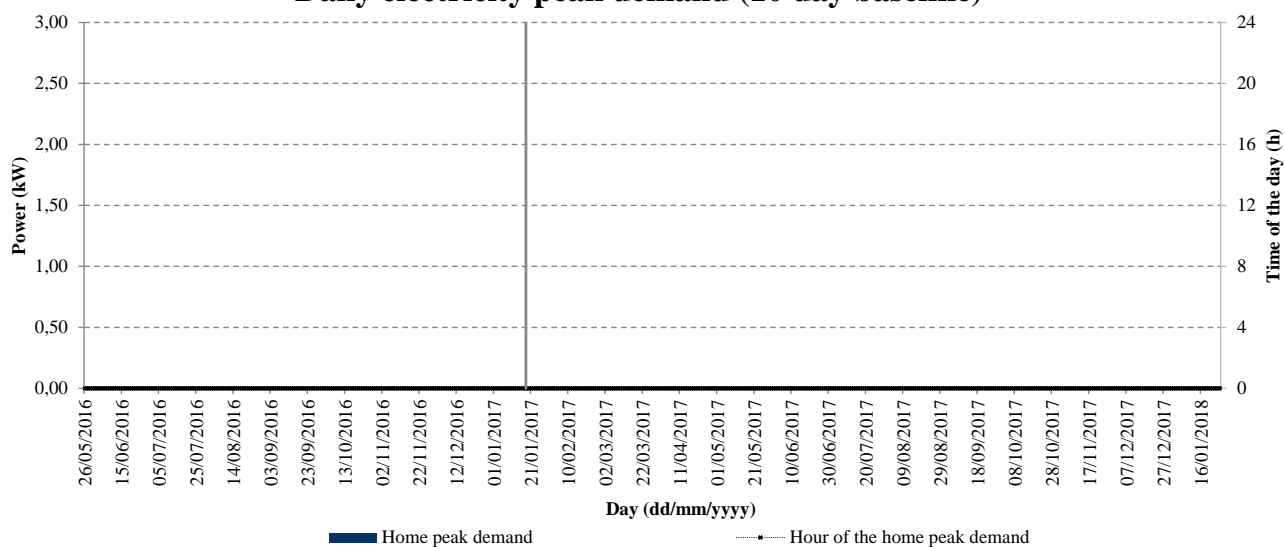
Cumulative electricity consumption



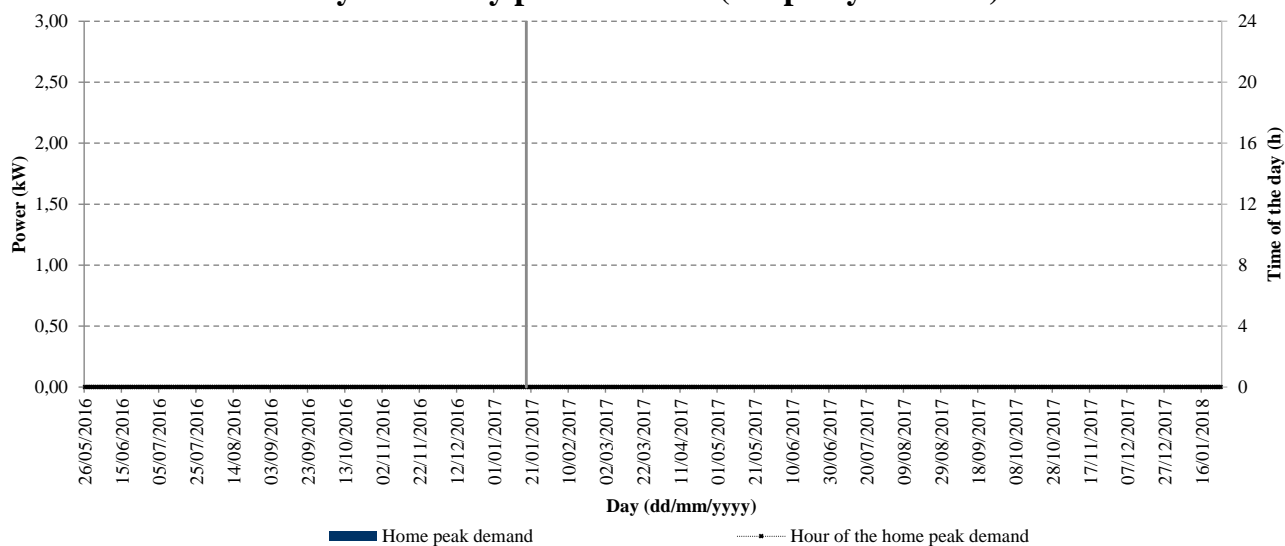
Daily electricity consumption



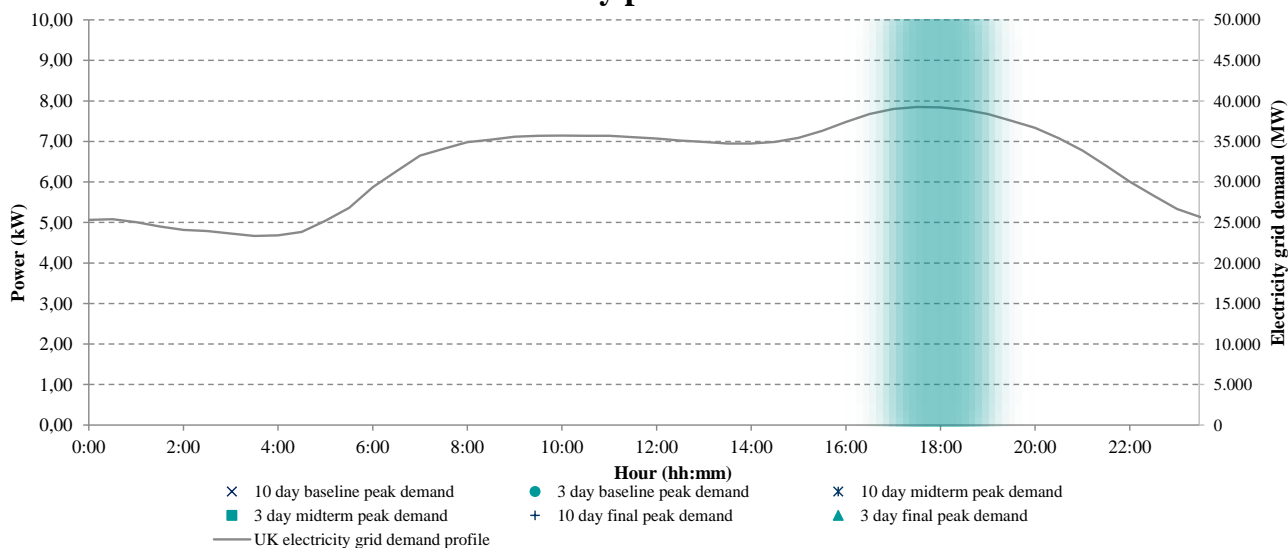
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #080	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	80
Number of storeys:	1	Number of habitable rooms:	3
Household size:	4	Internet:	Yes

Energy characteristics

SAP:	68 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Talexus	Type:	Digital
Model:	ACE9000 KBD	Conversion factor (impulses/kWh):	800
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Sensus	Type:	Pre-payment
Model:	U6		
Location:	Outdoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	05/05/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	841		

Electricity

Initial meter reading (kWh):	7.944	Final meter reading (kWh):	9.366
10 day baseline peak demand Power (kW):	3,23	Time (hh:mm):	13 h 58 min
3 day baseline peak demand Power (kW):	5,15	Time (hh:mm):	15 h 25 min
Demand at the network peak Power (kW):	0,97	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.981	Final meter reading (m³):	2.202
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Electricity consumption (kWh):	1.422,0
Gas consumption (kWh):	2.467,2
Total energy consumption (kWh):	3.889,2

Midterm reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	07/06/2017
Heating Degree Days (°C) :	906		

Electricity

Initial meter reading (kWh):	9.366	Final meter reading (kWh):	10.304
10 day baseline peak demand	Power (kW): 2,88	Time (hh:mm):	14 h 14 min
3 day baseline peak demand	Power (kW): 4,14	Time (hh:mm):	17 h 28 min
Demand at the network peak	Power (kW): 1,25	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.202	Final meter reading (m³):	2.361
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Electricity consumption (kWh):	938,0
Gas consumption (kWh):	1.775,0
Total energy consumption (kWh):	2.713,0

Final reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	24/01/2018
Heating Degree Days (°C) :	1767,5		

Electricity

Initial meter reading (kWh):	9.366	Final meter reading (kWh):	614
10 day baseline peak demand	Power (kW): 2,87	Time (hh:mm):	14 h 20 min
3 day baseline peak demand	Power (kW): 4,09	Time (hh:mm):	16 h 27 min
Demand at the network peak	Power (kW): 0,85	Time (hh:mm):	17 h 0 min to 19h 0 min

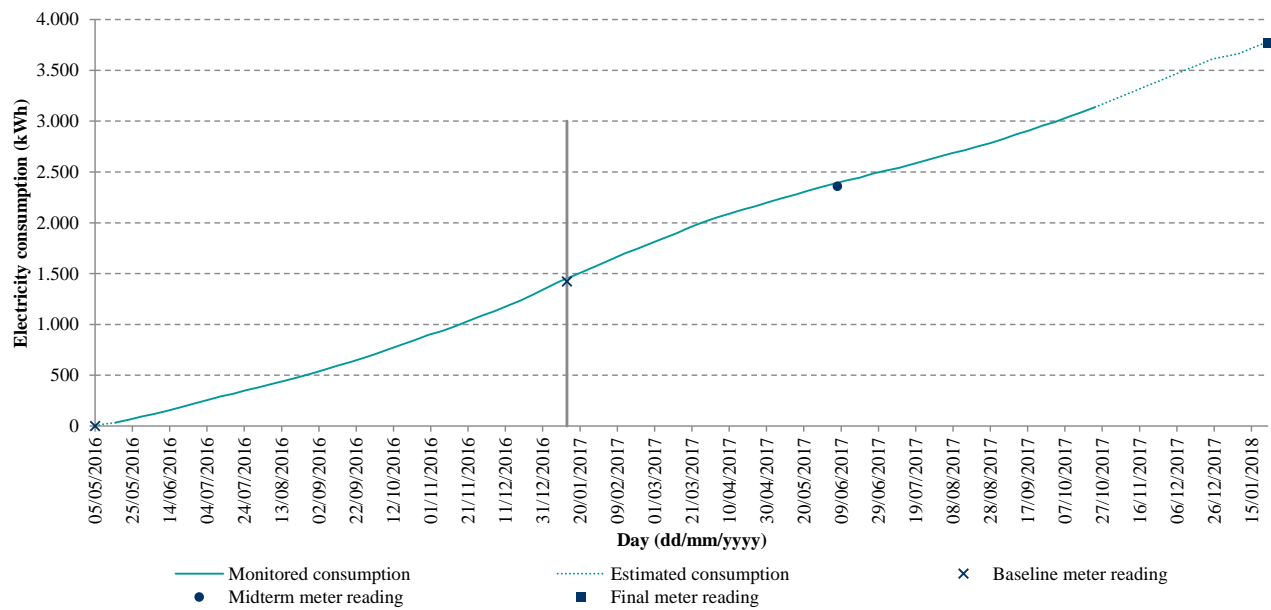
Gas

Initial meter reading (m³):	2.202	Final meter reading (m³):	2.550
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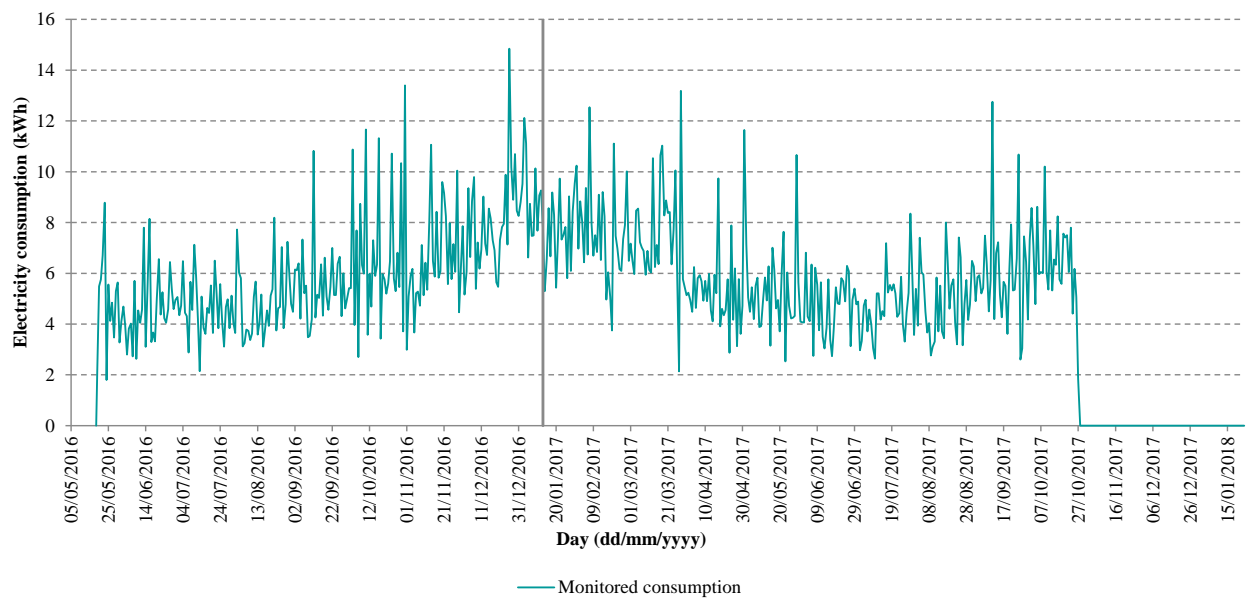
Electricity consumption (kWh):	2.346,4
Gas consumption (kWh):	3.890,0
Total energy consumption (kWh):	6.236,5

Baseline, midterm and final reporting period

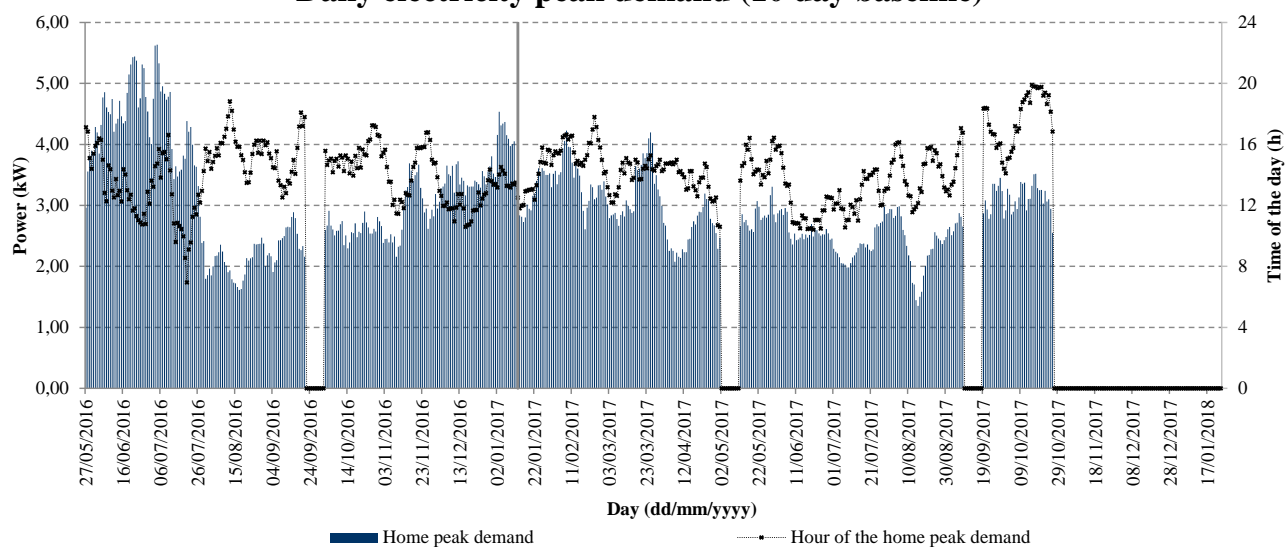
Cumulative electricity consumption



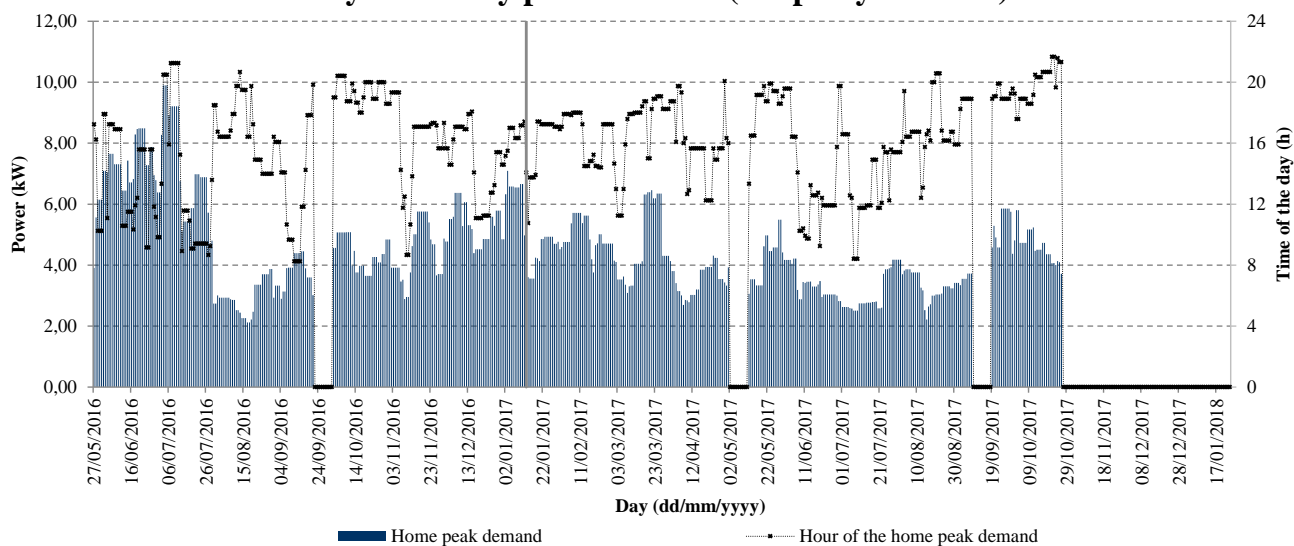
Daily electricity consumption



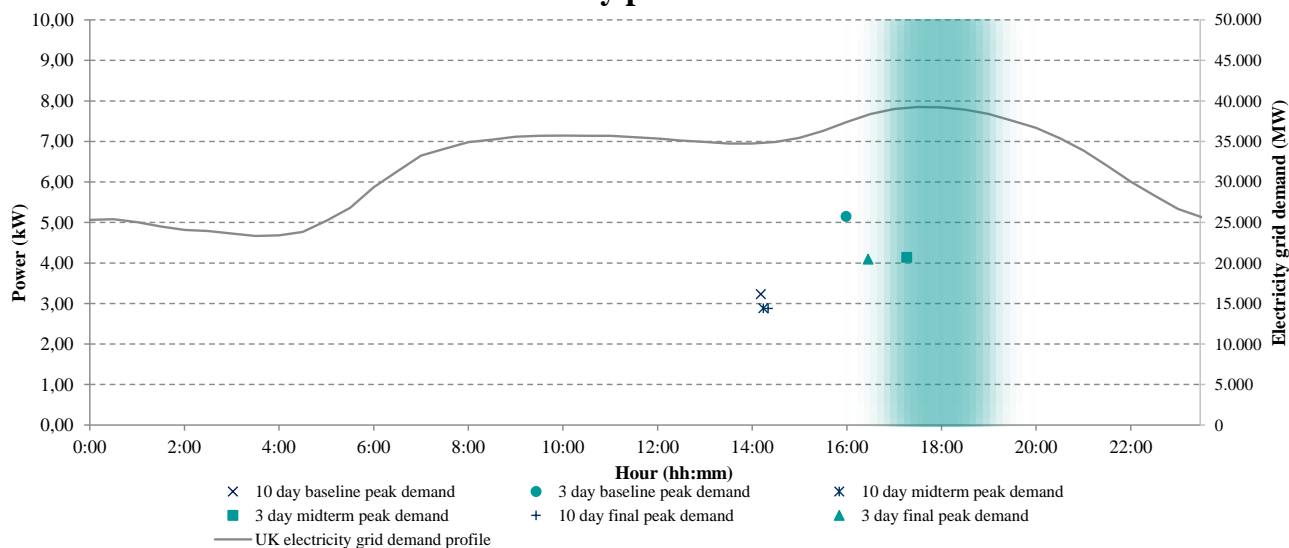
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #081	Dwelling type:	Flat
Construction period:	1983-1990	Floor area (m²):	45
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	No

Energy characteristics

SAP:	67 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Pre-payment
Model:	ZCE527-2	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital Pre-payment
Model:	G370		
Location:	Indoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	19/05/2016	Final date (dd/mm/yyyy):	12/01/2017
Heating Degree Days (°C) :	829,5		

Electricity

Initial meter reading (kWh):	9.710	Final meter reading (kWh):	11.636
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.934	Final meter reading (m³):	2.033
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Electricity consumption (kWh):	1.926,0
Gas consumption (kWh):	1.105,2
Total energy consumption (kWh):	3.031,2

Midterm reporting period			
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Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	11.636	Final meter reading (kWh):	-
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10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	2.033	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
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Starting date (dd/mm/yyyy):	12/01/2017	Final date (dd/mm/yyyy):	25/01/2018
Heating Degree Days (°C) :	1785,5		

Electricity

Initial meter reading (kWh):	11.636	Final meter reading (kWh):	13.870
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10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

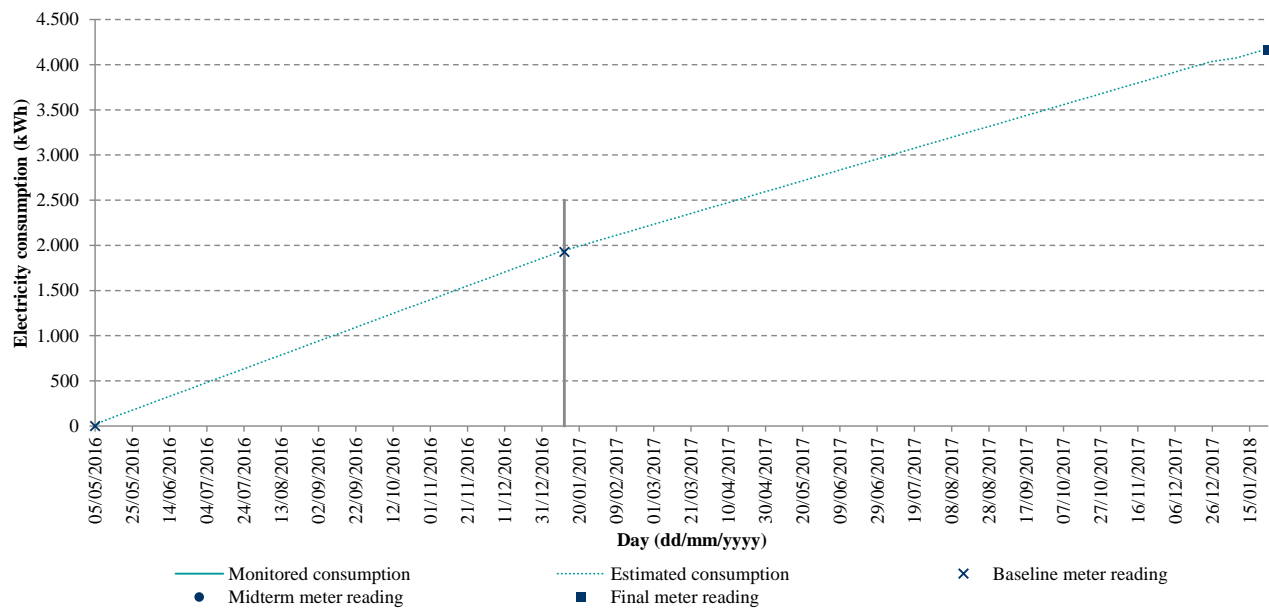
Gas

Initial meter reading (m³):	2.033	Final meter reading (m³):	2.092
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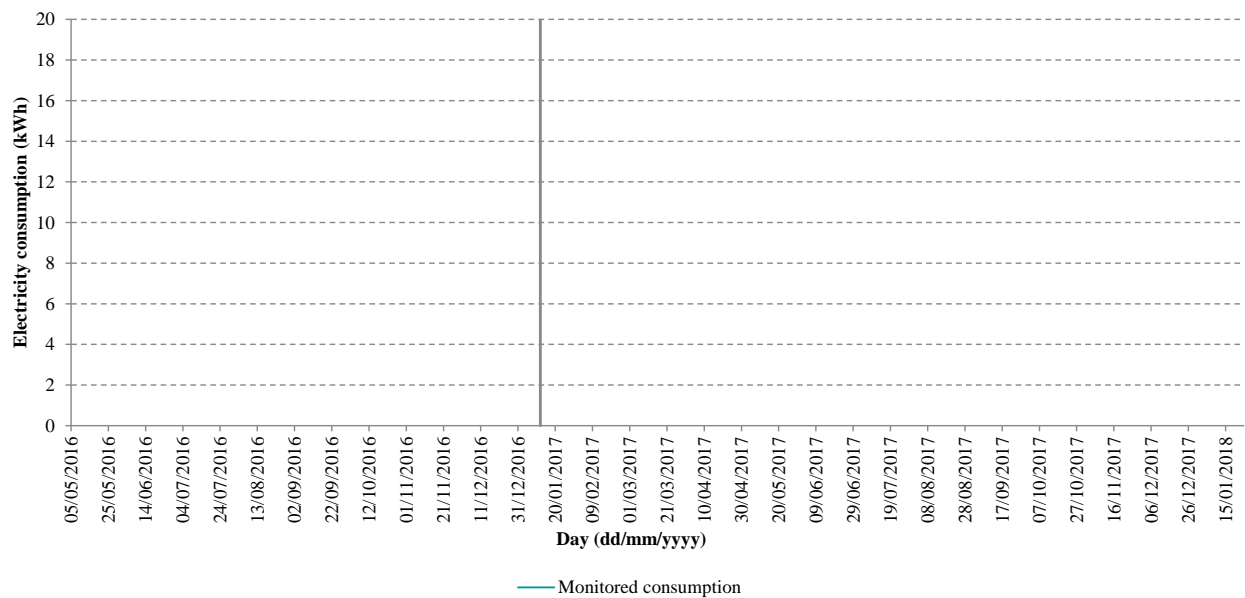
Electricity consumption (kWh):	2.233,5
Gas consumption (kWh):	663,7
Total energy consumption (kWh):	2.897,2

Baseline, midterm and final reporting period

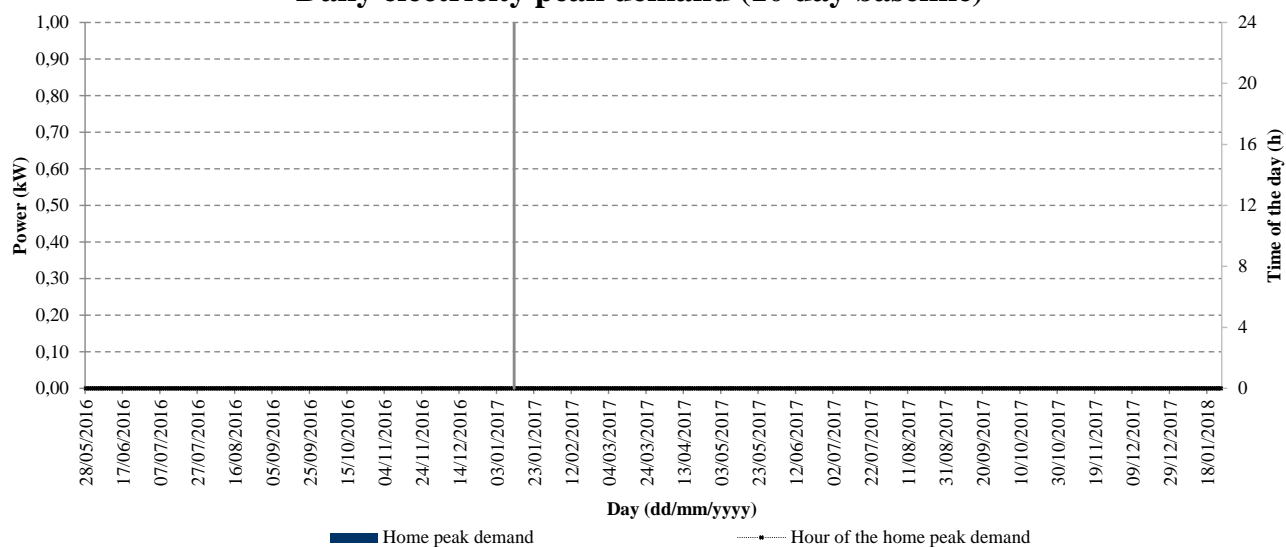
Cumulative electricity consumption



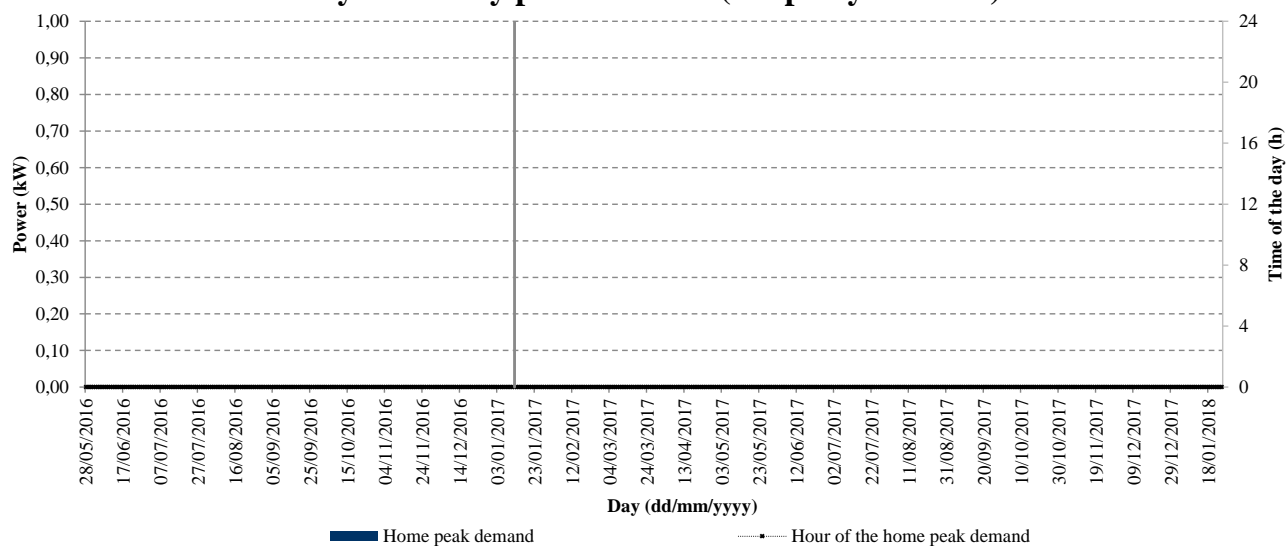
Daily electricity consumption



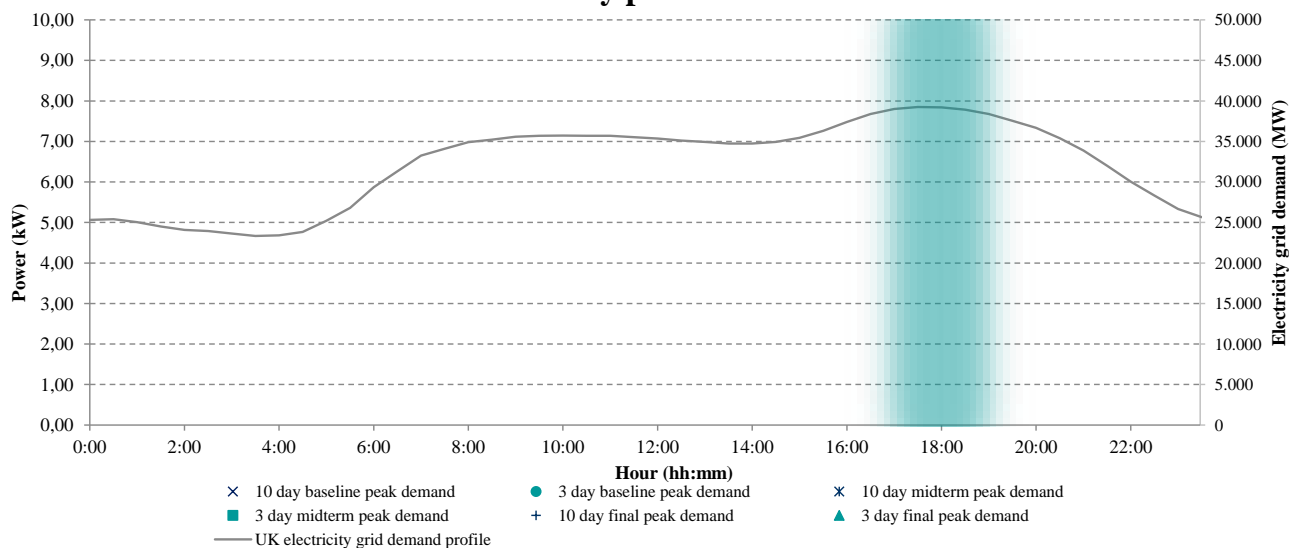
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #083	Dwelling type:	Flat
Construction period:	Pre 1990	Floor area (m²):	52
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	48 E	Energy:	Electric only
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Talexus	Type:	Pre-payment
Model:	ACE9000 KBD	Conversion factor (impulses/kWh):	800
Location:	Internal	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	-	Type:	-
Model:	-		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	28/10/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	577,5		

Electricity

Initial meter reading (kWh):	7.944	Final meter reading (kWh):	8.309
10 day baseline peak demand	Power (kW): 1,84	Time (hh:mm):	16 h 9 min
3 day baseline peak demand	Power (kW): 2,94	Time (hh:mm):	17 h 33 min
Demand at the network peak	Power (kW): 0,81	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	365,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	365,0

Midterm reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	18/05/2017
Heating Degree Days (°C) :	871,5		

Electricity

Initial meter reading (kWh):	8.309	Final meter reading (kWh):	9.137
10 day baseline peak demand	Power (kW): 1,81	Time (hh:mm):	18 h 30 min
3 day baseline peak demand	Power (kW): 3,08	Time (hh:mm):	19 h 14 min
Demand at the network peak	Power (kW): 0,78	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	828,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	828,0

Final reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	26/01/2018
Heating Degree Days (°C) :	1783,5		

Electricity

Initial meter reading (kWh):	8.309	Final meter reading (kWh):	10.803
10 day baseline peak demand	Power (kW): 1,83	Time (hh:mm):	18 h 38 min
3 day baseline peak demand	Power (kW): 2,70	Time (hh:mm):	19 h 13 min
Demand at the network peak	Power (kW): 0,68	Time (hh:mm):	17 h 0 min to 19h 0 min

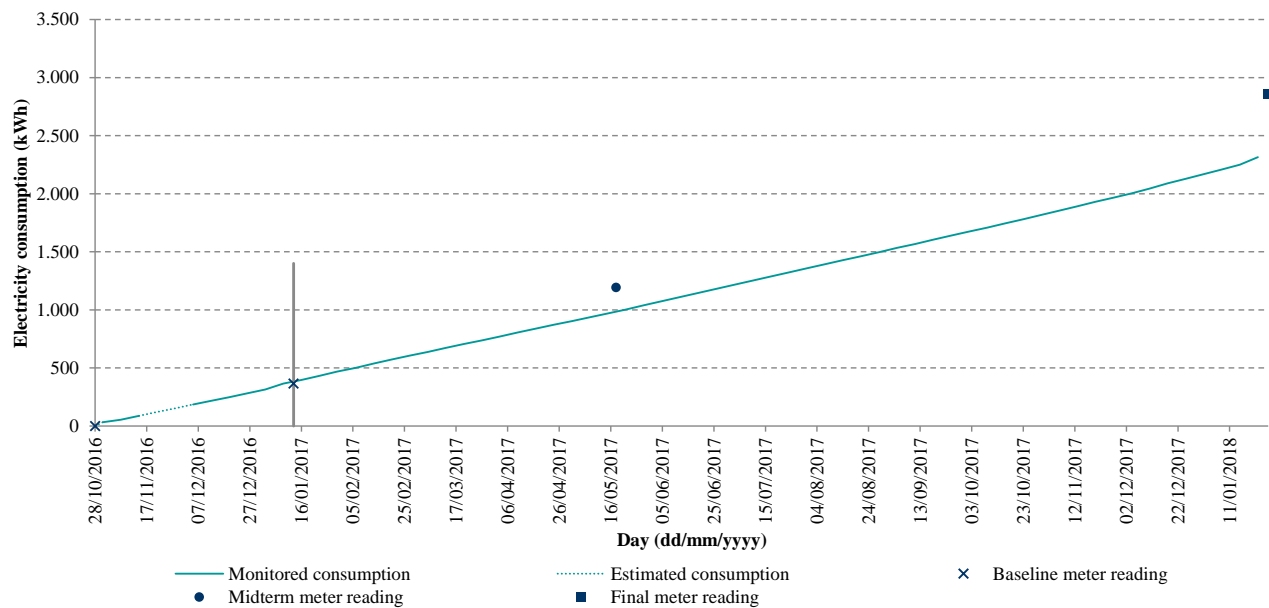
Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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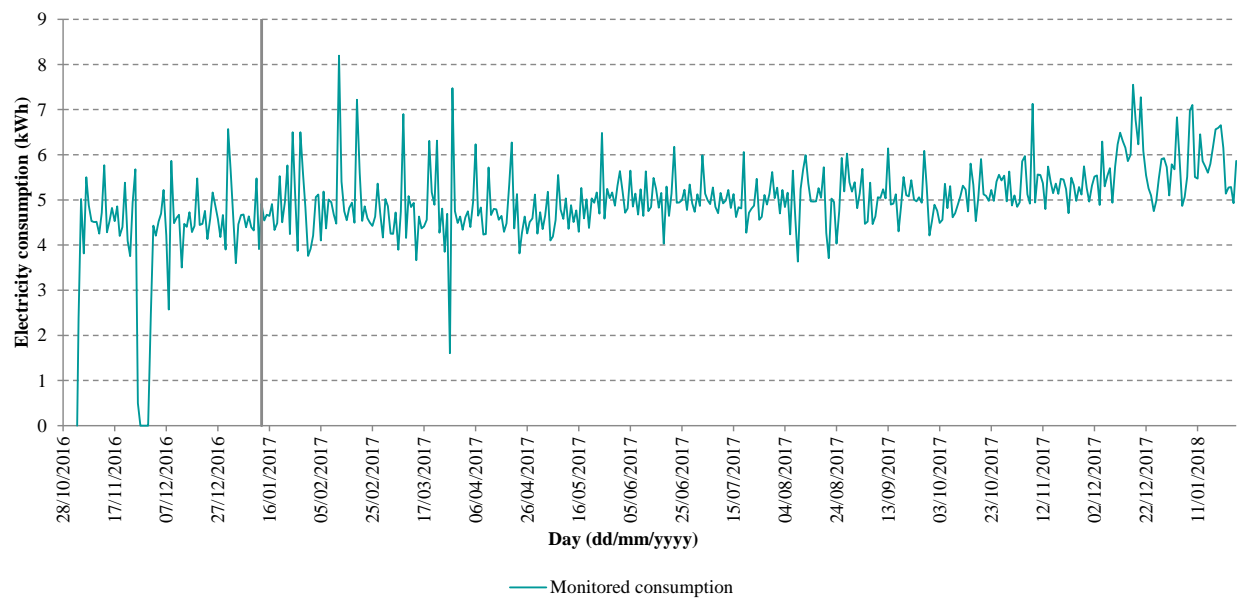
Electricity consumption (kWh):	2.493,6
Gas consumption (kWh):	-
Total energy consumption (kWh):	2.493,6

Baseline, midterm and final reporting period

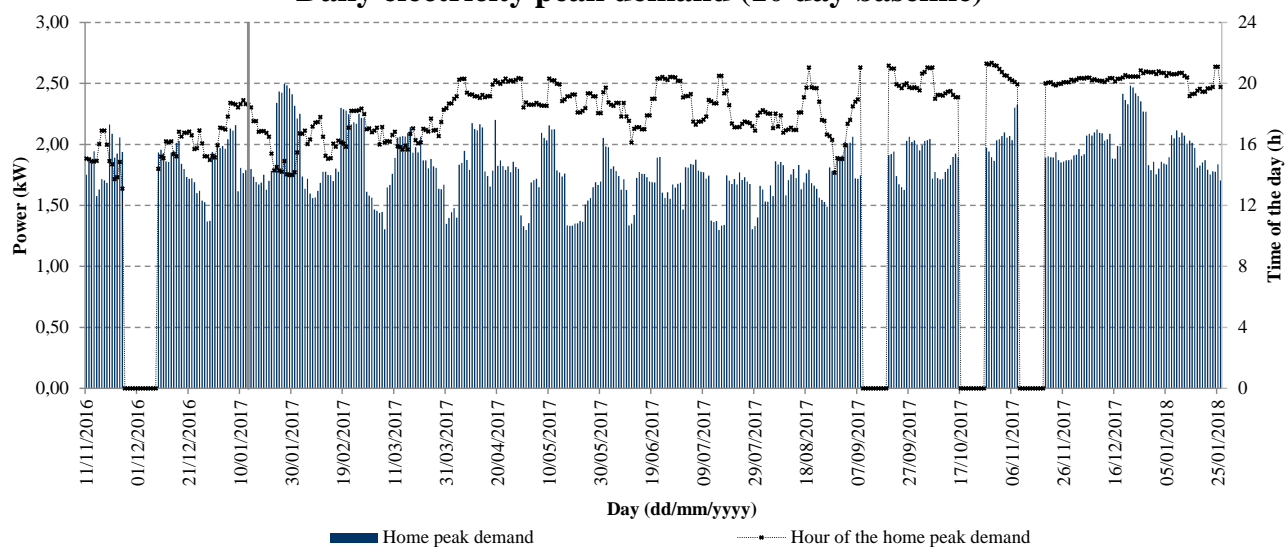
Cumulative electricity consumption



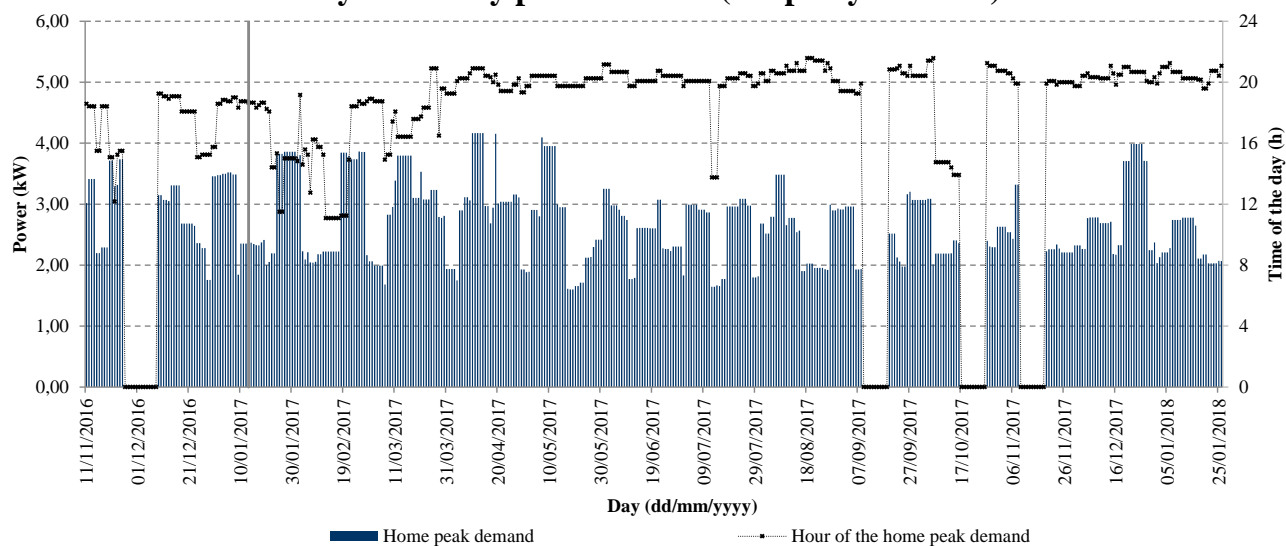
Daily electricity consumption



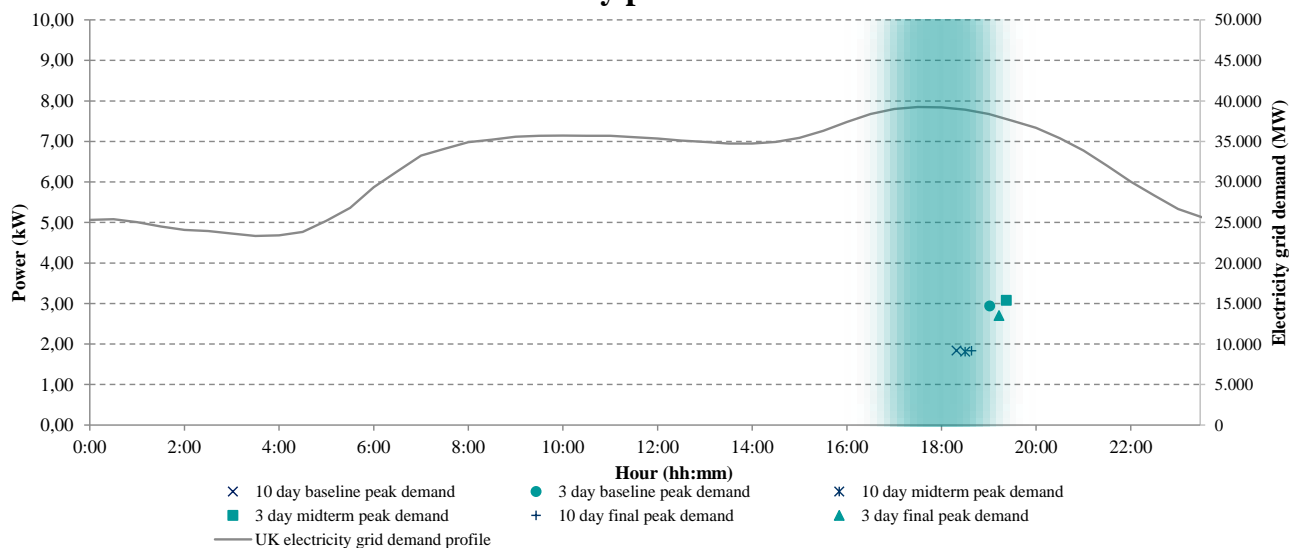
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #084	Dwelling type:	Mid Terrace House
Construction period:	2007+	Floor area (m²):	80
Number of storeys:	2	Number of habitable rooms:	Missing
Household size:	1	Internet:	Yes

Energy characteristics

SAP:	86 B	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	Photovoltaics

Electricity infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	E110	Conversion factor (impulses/kWh):	1000
Location:	Internal	Distance aggregator-meter (m):	1

Gas infrastructure characteristics

Manufacturer:	Cubix	Type:	Digital
Model:	U6		
Location:	External	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	03/08/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	723,5		

Electricity

Initial meter reading (kWh):	7.706	Final meter reading (kWh):	8.745
10 day baseline peak demand	Power (kW): 2,60	Time (hh:mm):	10 h 31 min
3 day baseline peak demand	Power (kW): 4,77	Time (hh:mm):	13 h 8 min
Demand at the network peak	Power (kW): 0,05	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.129	Final meter reading (m³):	1.184
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Electricity consumption (kWh):	1.039,0
Gas consumption (kWh):	614,0
Total energy consumption (kWh):	1.653,0

Midterm reporting period			
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Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	18/05/2017
Heating Degree Days (°C) :	871,5		

Electricity			
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Initial meter reading (kWh):	8.745	Final meter reading (kWh):	9.481
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	1.184	Final meter reading (m³):	1.246
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Electricity consumption (kWh):	736,0
Gas consumption (kWh):	692,2
Total energy consumption (kWh):	1.428,2

Final reporting period			
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Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	22/01/2018
Heating Degree Days (°C) :	1755,5		

Electricity			
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Initial meter reading (kWh):	8.745	Final meter reading (kWh):	10.956
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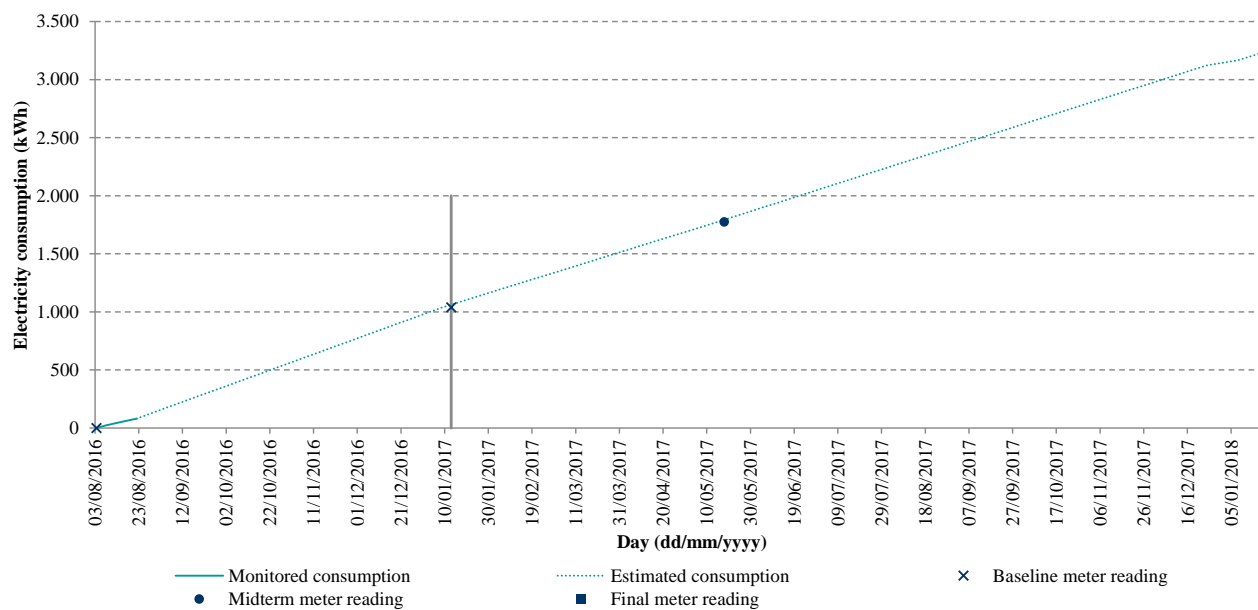
10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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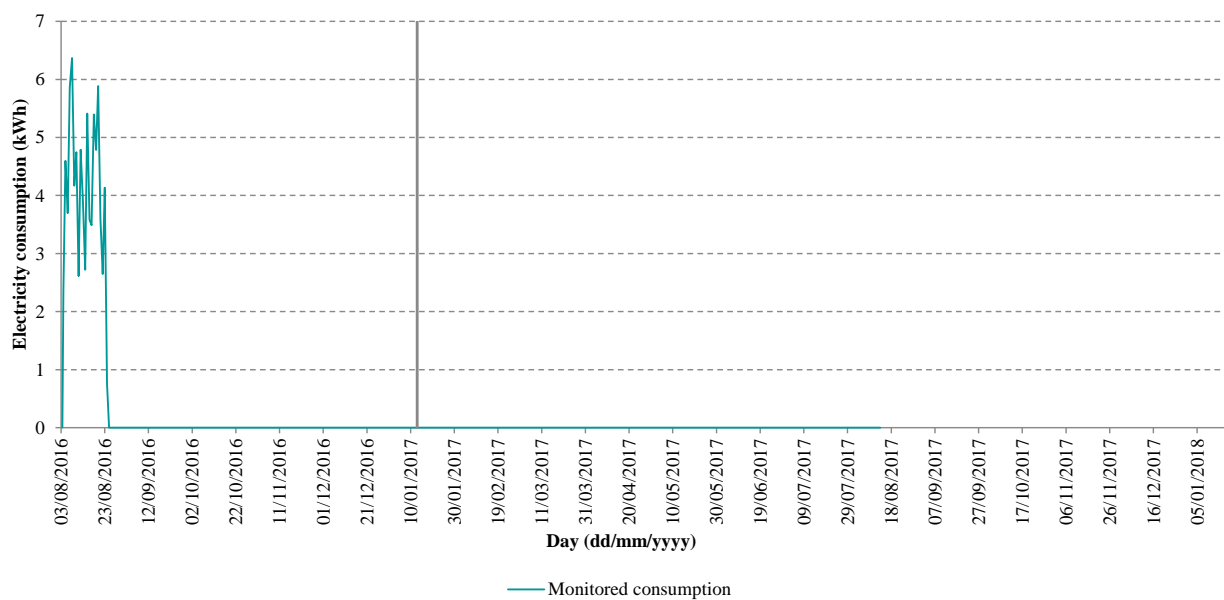
Initial meter reading (m³):	1.184	Final meter reading (m³):	1.291
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Electricity consumption (kWh):	2.211,0
Gas consumption (kWh):	1.197,3
Total energy consumption (kWh):	3.408,3

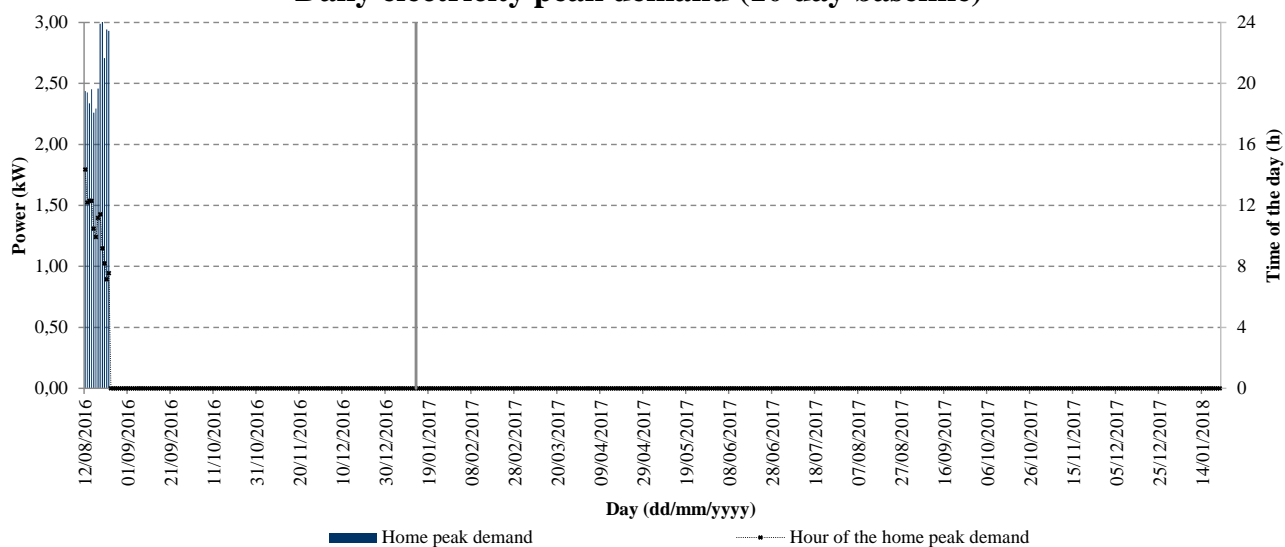
Cumulative electricity consumption



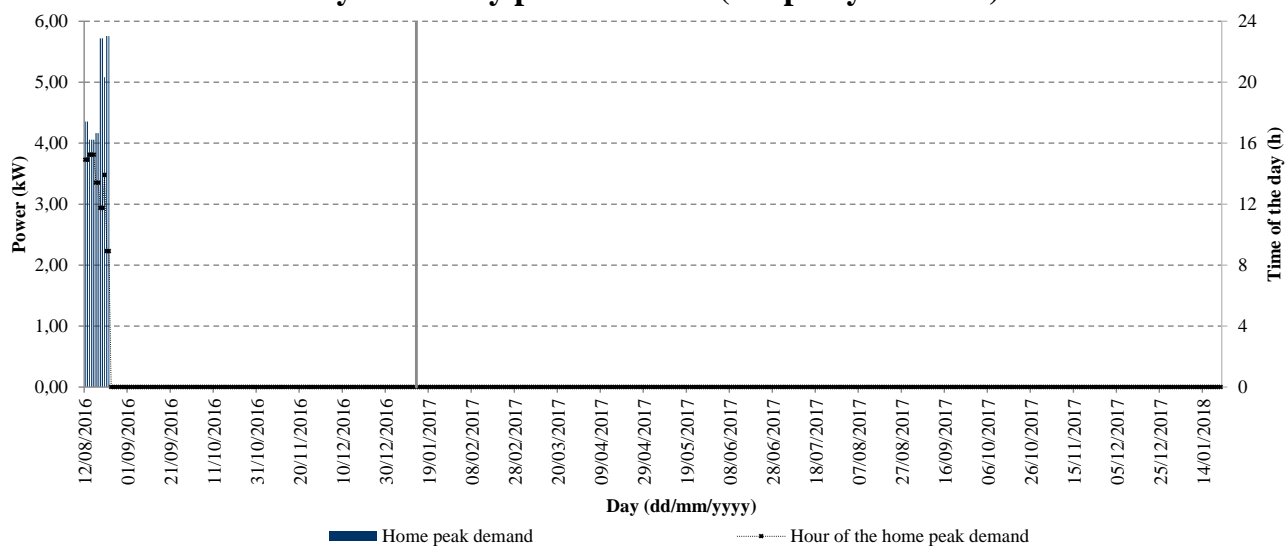
Daily electricity consumption



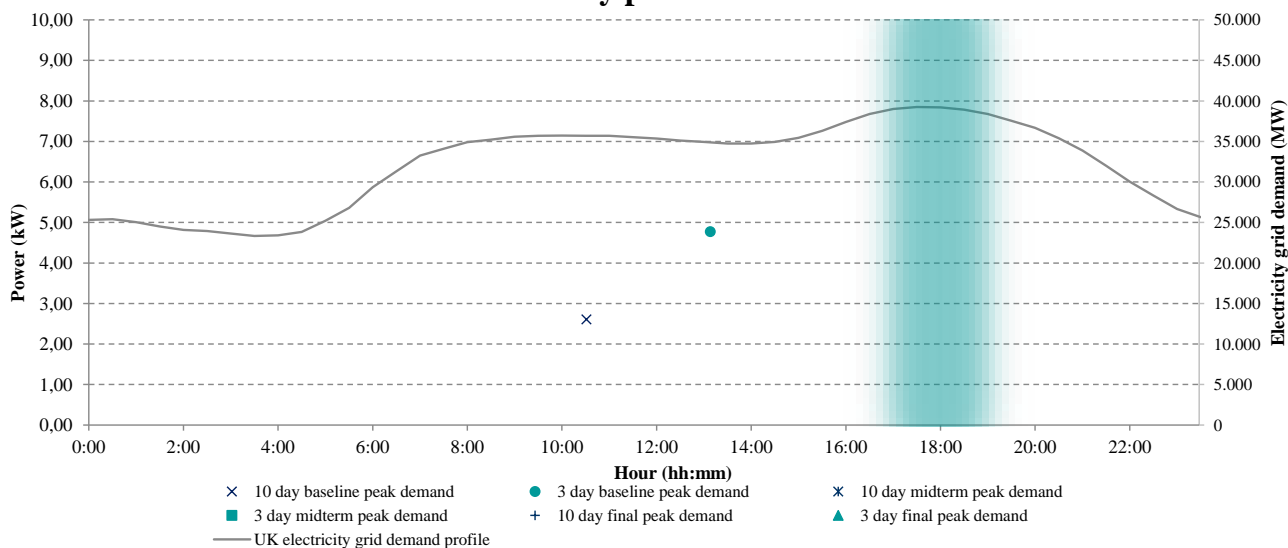
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #085	Dwelling type:	Maisonette
Construction period:	1967-1975	Floor area (m²):	134
Number of storeys:	1	Number of habitable rooms:	4
Household size:	3	Internet:	Yes

Energy characteristics

SAP:	64 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Ampy	Type:	Digital
Model:	-	Conversion factor (impulses/kWh):	1000
Location:	External	Distance aggregator-meter (m):	2

Gas infrastructure characteristics

Manufacturer:	GWI	Type:	Digital
Model:	G4		
Location:	External	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	03/08/2016	Final date (dd/mm/yyyy):	11/01/2017
Heating Degree Days (°C) :	701,5		

Electricity

Initial meter reading (kWh):	26.421	Final meter reading (kWh):	28.264
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.672	Final meter reading (m³):	1.789
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Electricity consumption (kWh):	1.842,9
Gas consumption (kWh):	1.306,2
Total energy consumption (kWh):	10.337,2

Midterm reporting period			
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Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity			
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Initial meter reading (kWh):	28.264	Final meter reading (kWh):	-
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	1.789	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
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Starting date (dd/mm/yyyy):	11/01/2017	Final date (dd/mm/yyyy):	26/01/2018
Heating Degree Days (°C) :	1799,5		

Electricity			
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Initial meter reading (kWh):	28.264	Final meter reading (kWh):	31.024
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

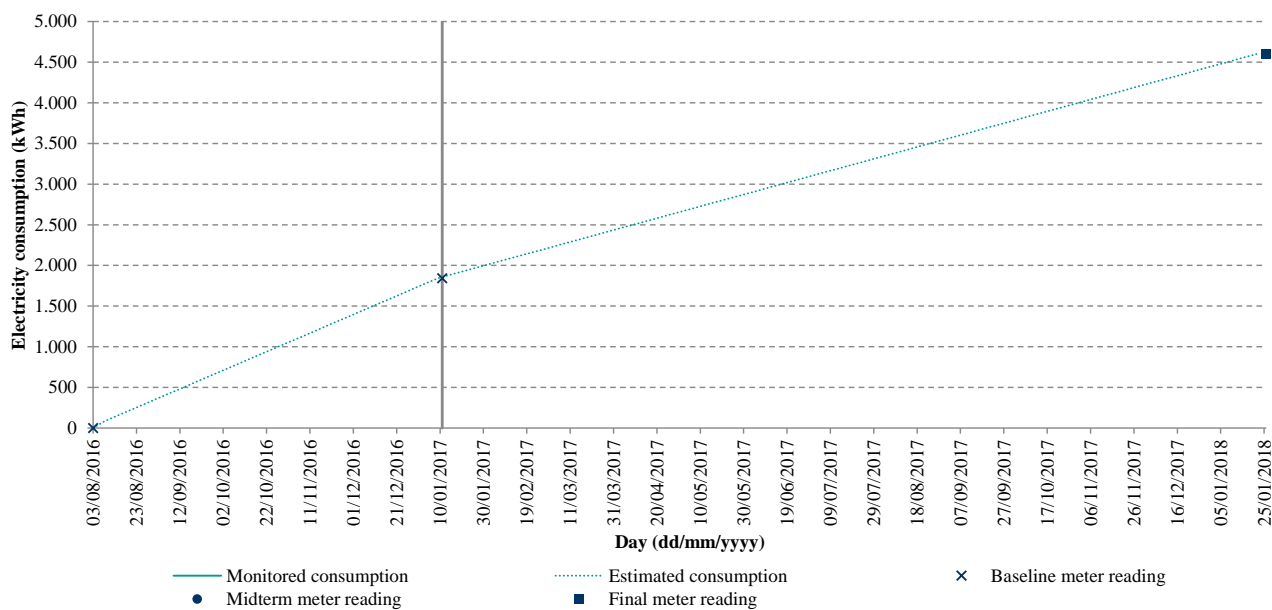
Gas			
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Initial meter reading (m³):	1.789	Final meter reading (m³):	2.183
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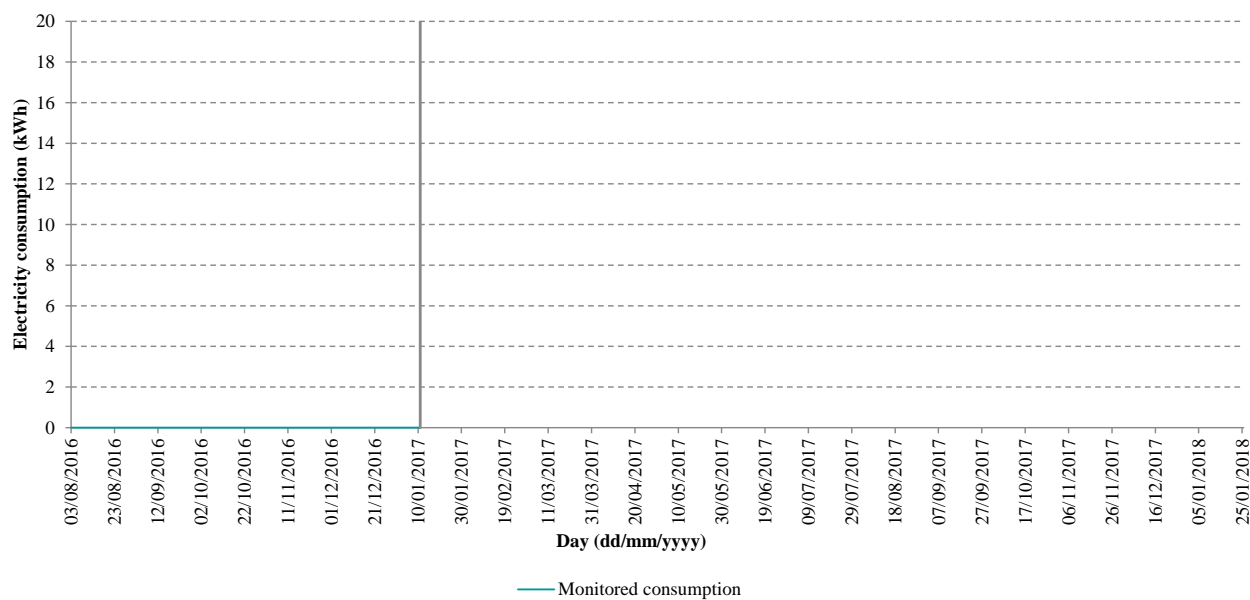
Electricity consumption (kWh):	2.760,3
Gas consumption (kWh):	4.393,9
Total energy consumption (kWh):	7.154,2

Baseline, midterm and final reporting period

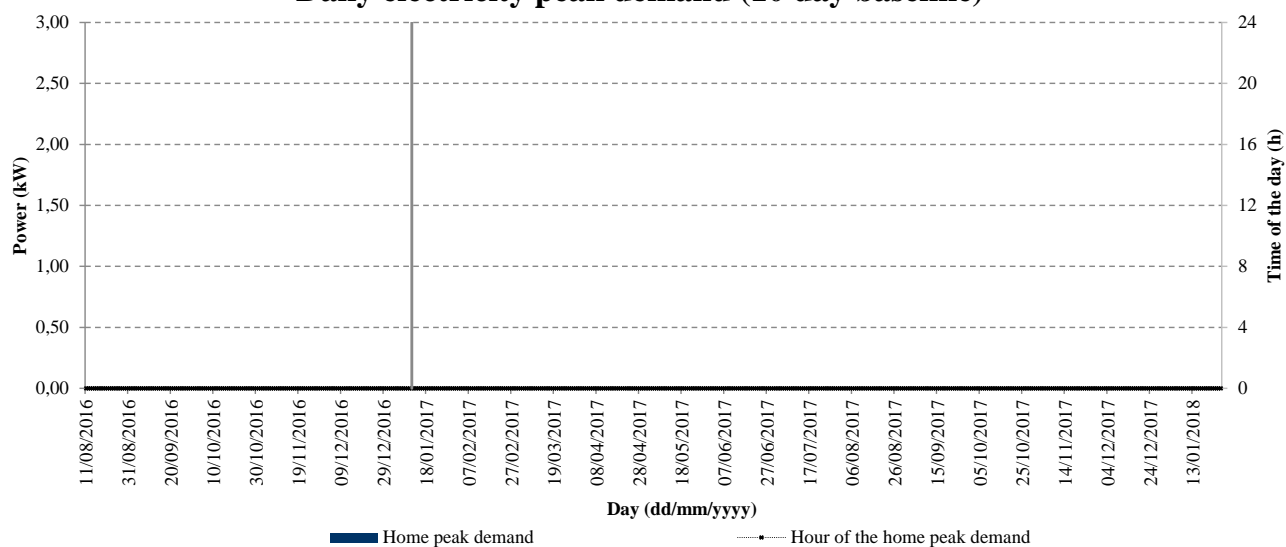
Cumulative electricity consumption



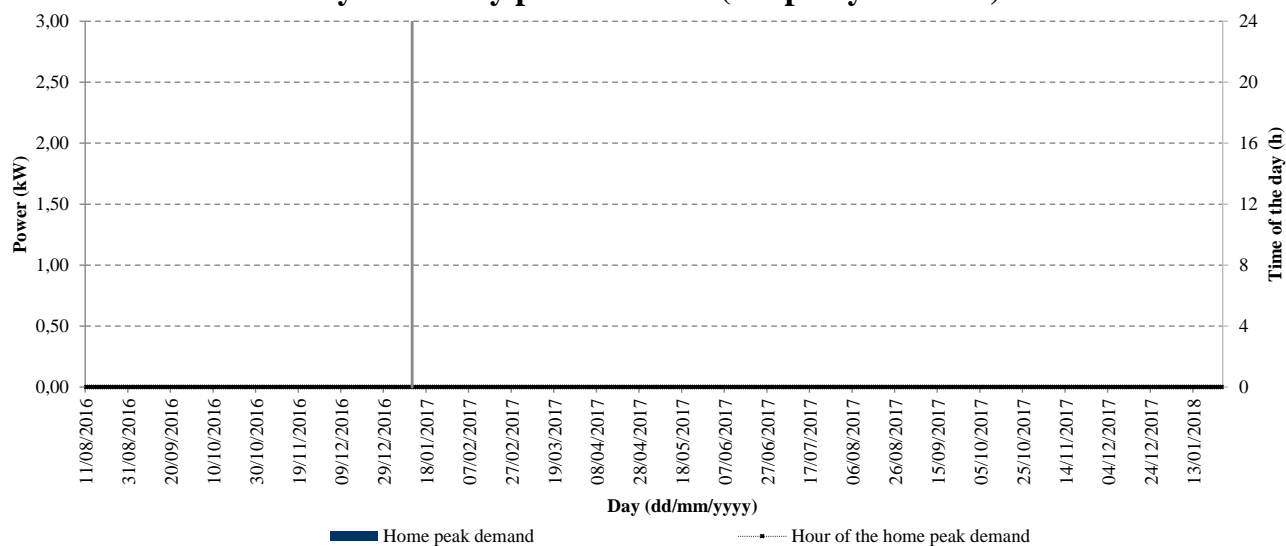
Daily electricity consumption



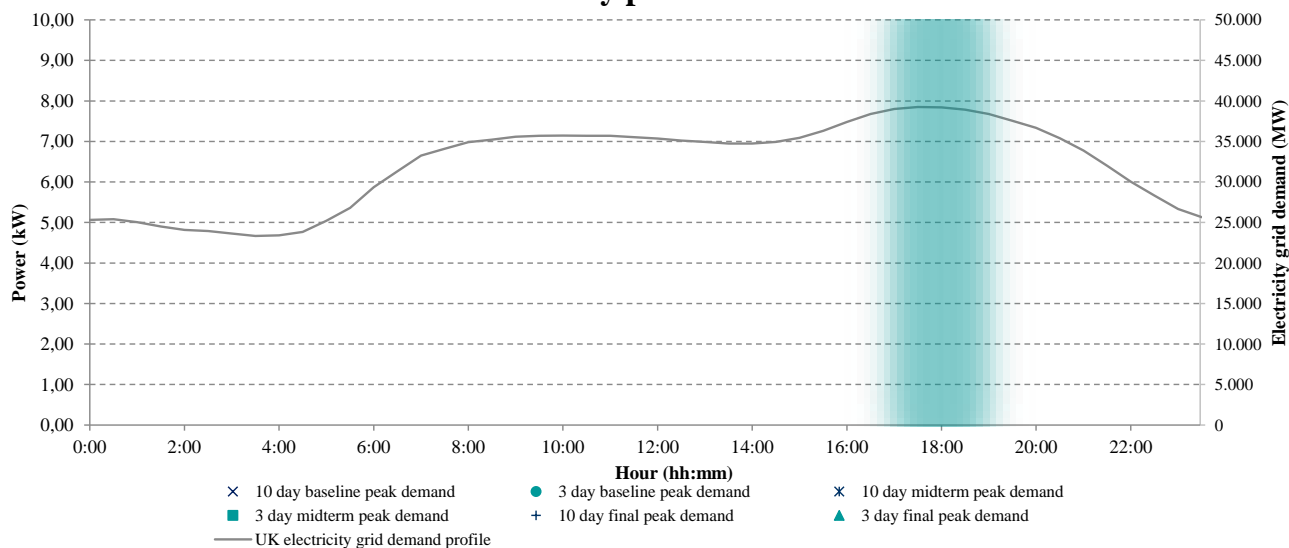
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #086	Dwelling type:	Maisonette
Construction period:	1976-1982	Floor area (m²):	118
Number of storeys:	1	Number of habitable rooms:	4
Household size:	4	Internet:	Yes

Energy characteristics

SAP:	65 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Talexus	Type:	Digital
Model:	ACE9000 KDB	Conversion factor (impulses/kWh):	800
Location:	Internal	Distance aggregator-meter (m):	1.5

Gas infrastructure characteristics

Manufacturer:	Landis&Gyr	Type:	Digital
Model:	BG		
Location:	Internal	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	03/08/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	723,5		

Electricity

Initial meter reading (kWh):	26.910	Final meter reading (kWh):	28.898
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	15.383	Final meter reading (m³):	15.915
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Electricity consumption (kWh):	1.988,0
Gas consumption (kWh):	5.939,2
Total energy consumption (kWh):	7.927,2

Midterm reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	18/05/2017
Heating Degree Days (°C) :	871,5		

Electricity

Initial meter reading (kWh):	28.898	Final meter reading (kWh):	30.323
10 day baseline peak demand	Power (kW): 8,03	Time (hh:mm):	11 h 53 min
3 day baseline peak demand	Power (kW): 13,54	Time (hh:mm):	14 h 13 min
Demand at the network peak	Power (kW): 0,83	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	15.915	Final meter reading (m³):	16.547
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Electricity consumption (kWh):	1.425,0
Gas consumption (kWh):	7.055,5
Total energy consumption (kWh):	8.480,5

Final reporting period			
Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	28.898	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 7,76	Time (hh:mm):	13 h 50 min
3 day baseline peak demand	Power (kW): 12,73	Time (hh:mm):	15 h 49 min
Demand at the network peak	Power (kW): 0,43	Time (hh:mm):	17 h 0 min to 19h 0 min

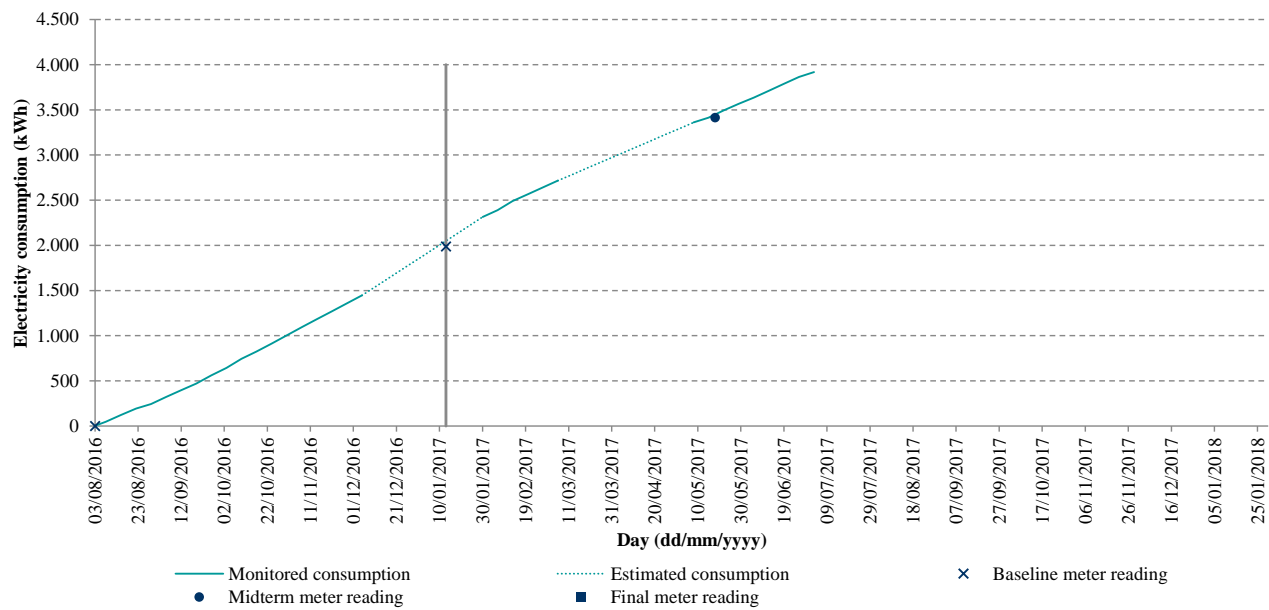
Gas

Initial meter reading (m³):	15.915	Final meter reading (m³):	*
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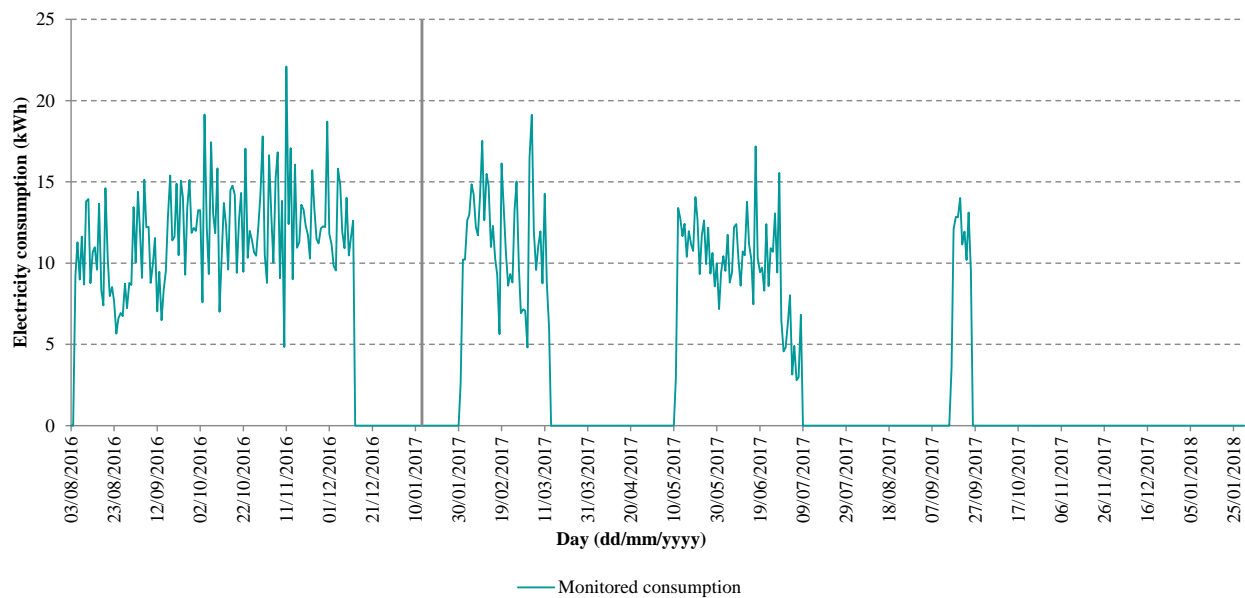
Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Baseline, midterm and final reporting period

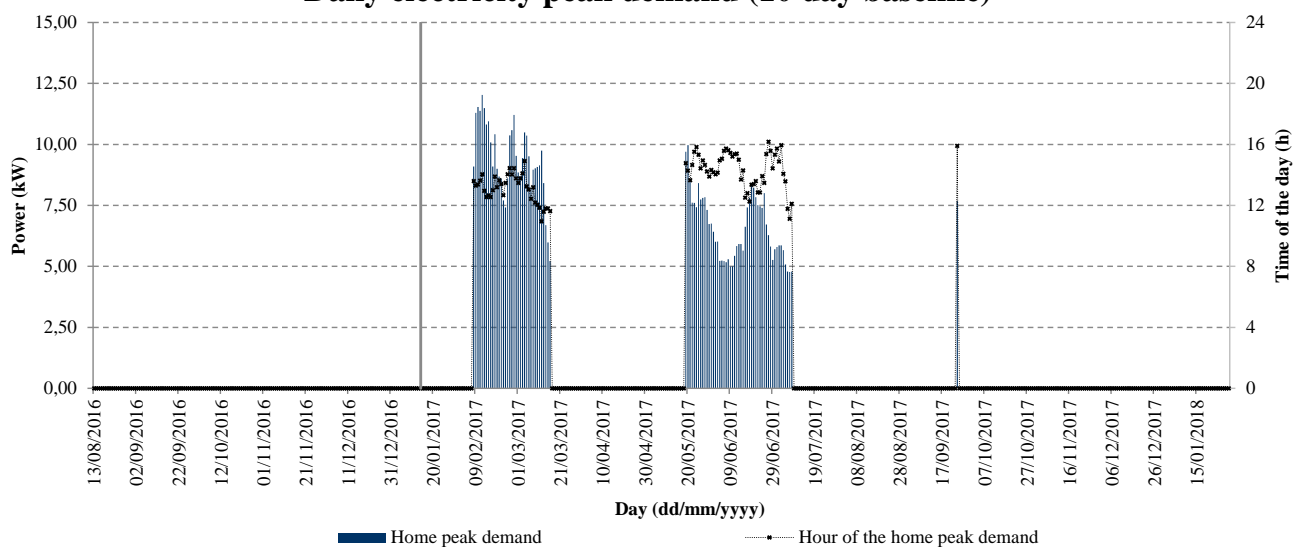
Cumulative electricity consumption



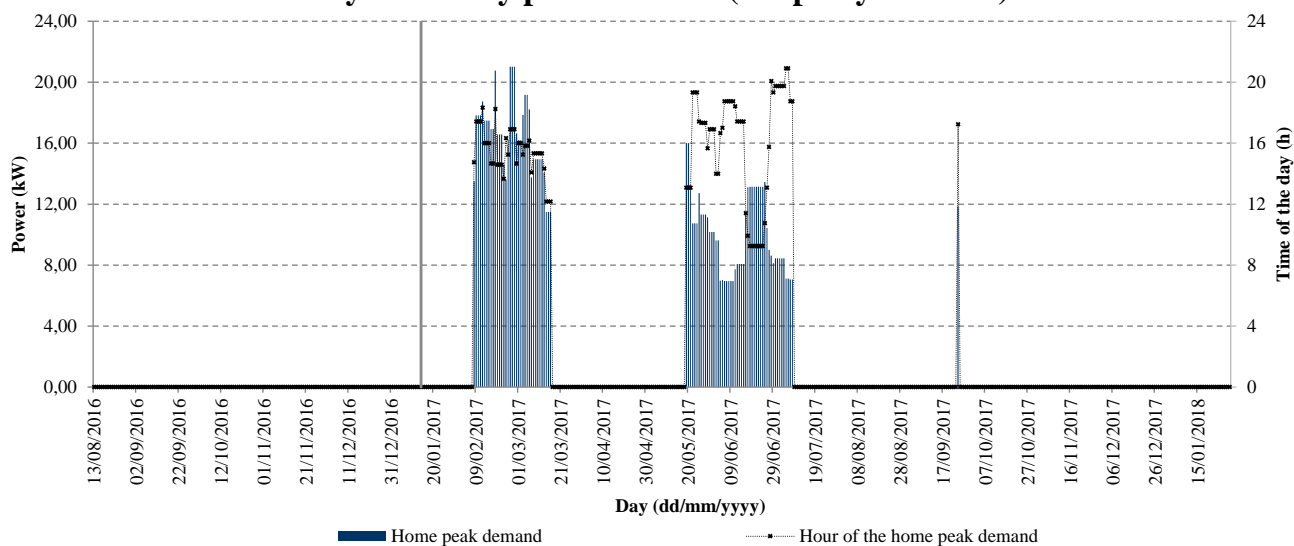
Daily electricity consumption



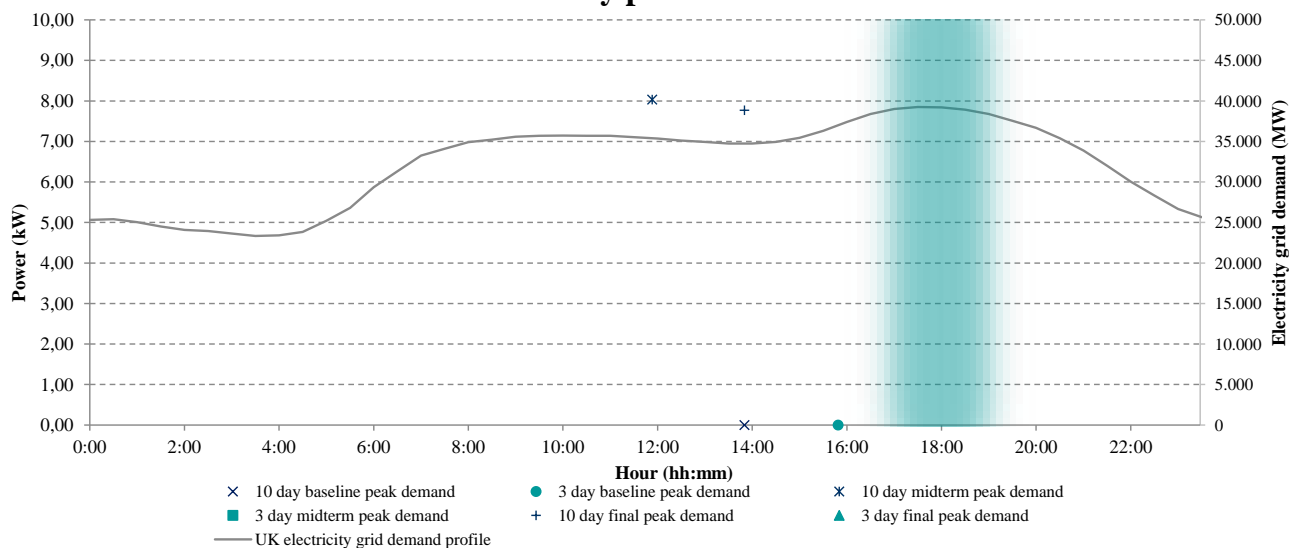
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #087	Dwelling type:	Flat
Construction period:	Pre 1990	Floor area (m²):	43
Number of storeys:	1	Number of habitable rooms:	2
Household size:	1	Internet:	No

Energy characteristics

SAP:	64 D	Energy:	Electric only
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Siemens	Type:	Digital
Model:	FO950	Conversion factor (impulses/kWh):	1500
Location:	Internal	Distance aggregator-meter (m):	2

Gas infrastructure characteristics

Manufacturer:	-	Type:	-
Model:	-		
Location:	-	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	05/08/2016	Final date (dd/mm/yyyy):	13/01/2017
Heating Degree Days (°C) :	723,5		

Electricity

Initial meter reading (kWh):	49.950	Final meter reading (kWh):	51.576
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.626,0
Gas consumption (kWh):	-
Total energy consumption (kWh):	1.626,0

Midterm reporting period			
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Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity			
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Initial meter reading (kWh):	51.576	Final meter reading (kWh):	-
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas			
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Initial meter reading (m³):	-	Final meter reading (m³):	-
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Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Final reporting period			
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Starting date (dd/mm/yyyy):	13/01/2017	Final date (dd/mm/yyyy):	23/01/2018
Heating Degree Days (°C) :	1761		

Electricity			
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Initial meter reading (kWh):	51.576	Final meter reading (kWh):	26.103
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10 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
3 day baseline peak demand	Power (kW):	-	Time (hh:mm):	-
Demand at the network peak	Power (kW):	-	Time (hh:mm):	17 h 0 min to 19h 0 min

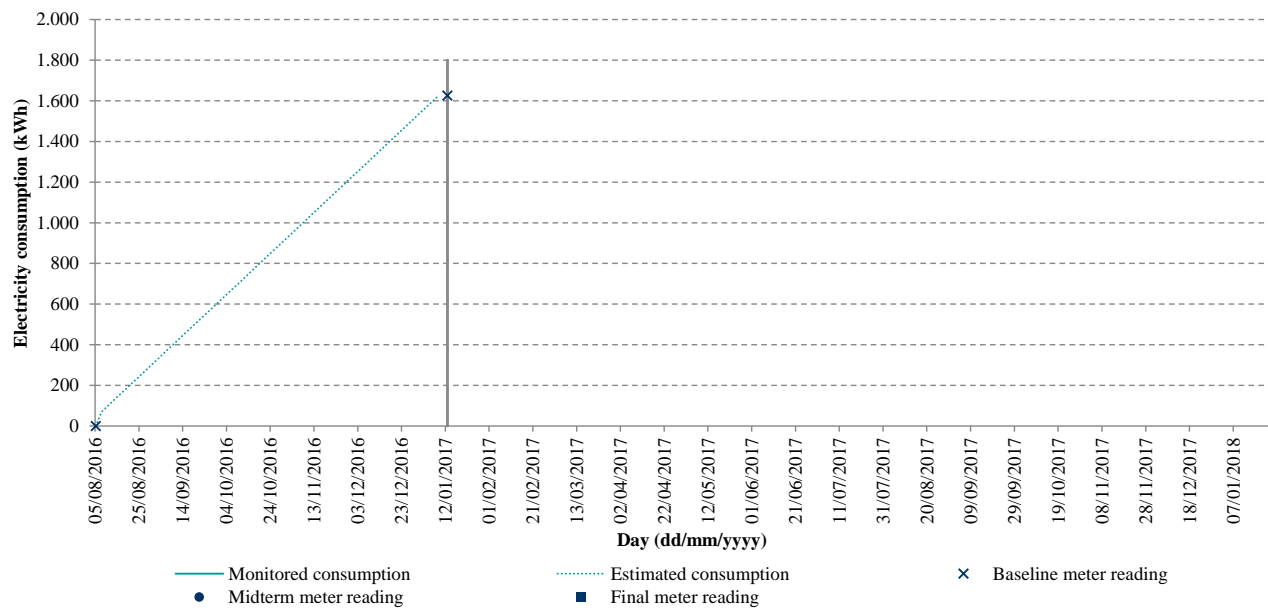
Gas			
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Initial meter reading (m³):	-	Final meter reading (m³):	-
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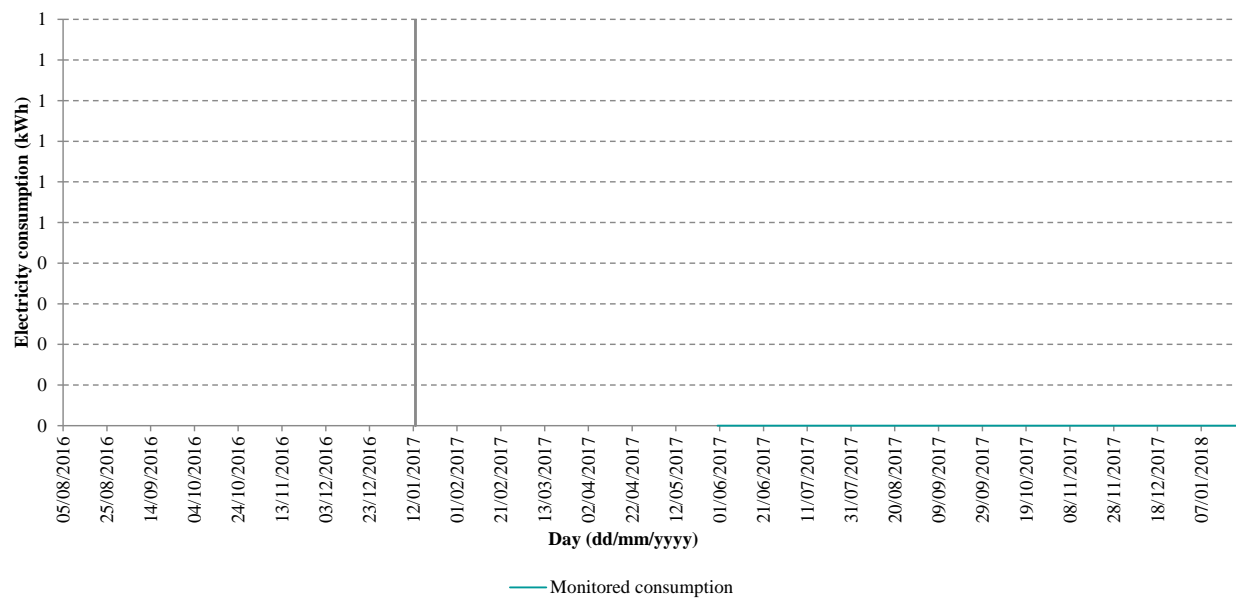
Electricity consumption (kWh):	-
Gas consumption (kWh):	-
Total energy consumption (kWh):	-

Baseline, midterm and final reporting period

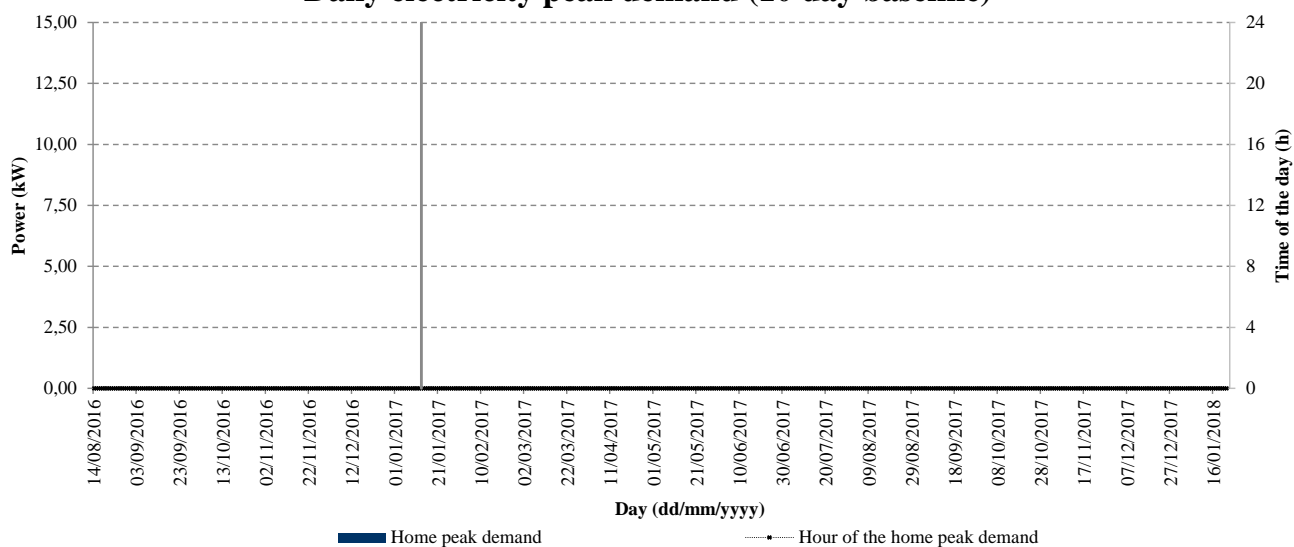
Cumulative electricity consumption



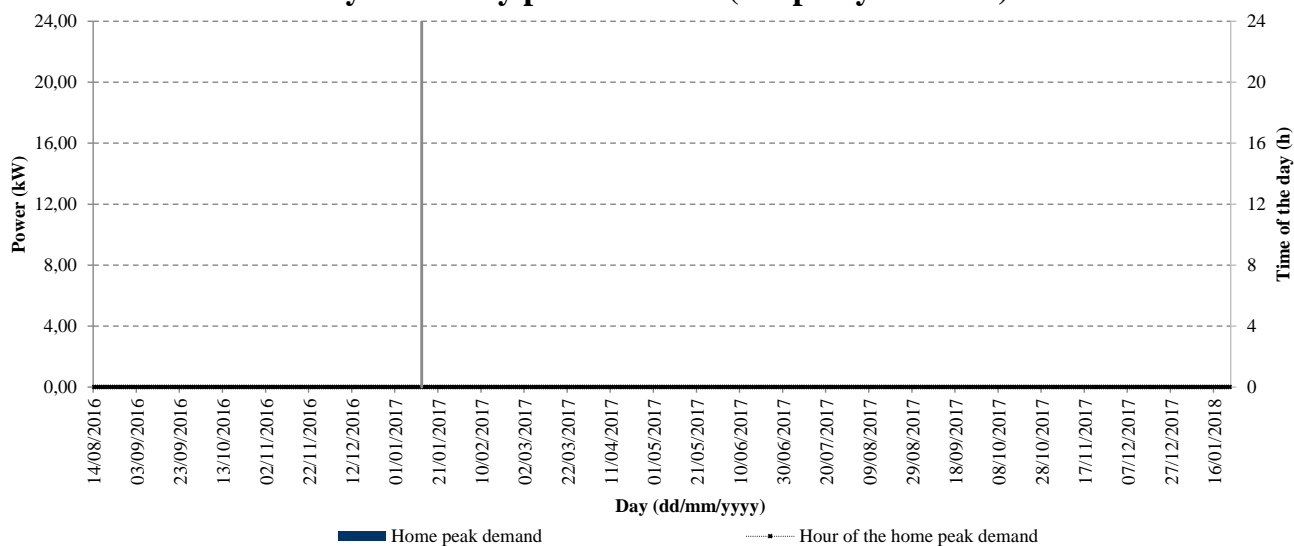
Daily electricity consumption



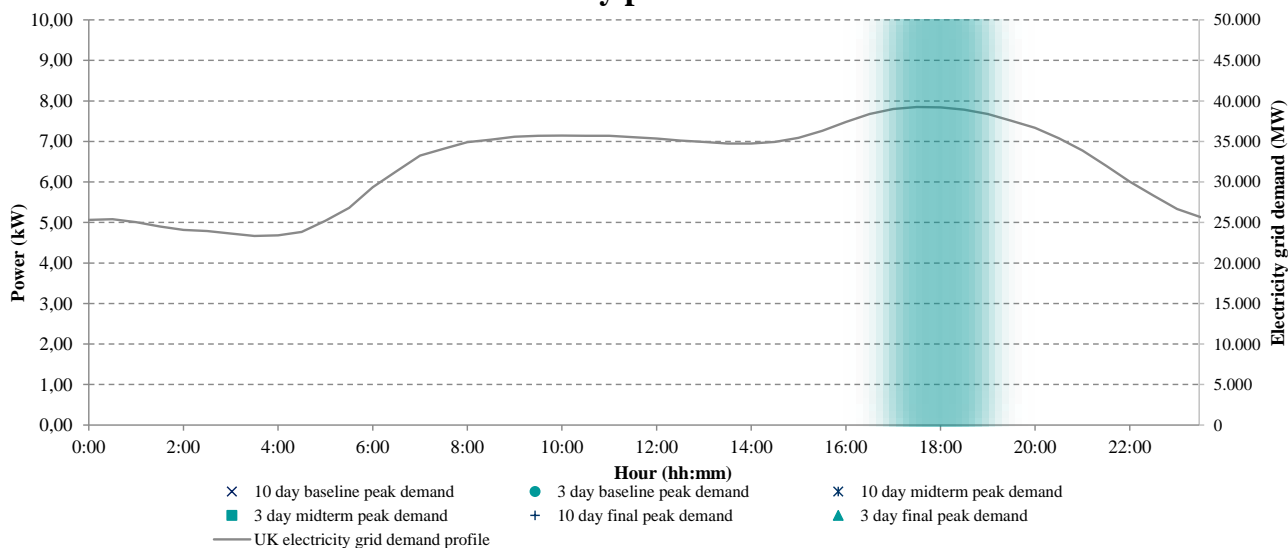
Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand



Building characteristics

Id dwelling:	EA #088	Dwelling type:	Semi Detached Bungalow
Construction period:	1967-1975	Floor area (m²):	70
Number of storeys:	1	Number of habitable rooms:	3
Household size:	2	Internet:	Yes

Energy characteristics

SAP:	68 D	Energy:	Gas and Electric
Main heating fuel:	Gas	Renewable energy:	No

Electricity infrastructure characteristics

Manufacturer:	Secure	Type:	Digital
Model:	Liberty 1000	Conversion factor (impulses/kWh):	1000
Location:	Indoor	Distance aggregator-meter (m):	-

Gas infrastructure characteristics

Manufacturer:	Secure	Type:	Digital
Model:	Liberty EG4V-10		
Location:	Indoor	Distance aggregator-meter (m):	-

Baseline period

Starting date (dd/mm/yyyy):	20/05/2016	Final date (dd/mm/yyyy):	17/01/2017
Heating Degree Days (°C) :	833		

Electricity

Initial meter reading (kWh):	2.594	Final meter reading (kWh):	5.567
10 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
3 day baseline peak demand	Power (kW): -	Time (hh:mm):	-
Demand at the network peak	Power (kW): -	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	n/a	Final meter reading (m³):	n/a
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Electricity consumption (kWh):	2.973,0
Gas consumption (kWh):	n/a
Total energy consumption (kWh):	n/a

Midterm reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	-
Heating Degree Days (°C) :	-		

Electricity

Initial meter reading (kWh):	5.567	Final meter reading (kWh):	-
10 day baseline peak demand	Power (kW): 3,64	Time (hh:mm):	15 h 11 min
3 day baseline peak demand	Power (kW): 5,45	Time (hh:mm):	14 h 10 min
Demand at the network peak	Power (kW): 1,06	Time (hh:mm):	17 h 0 min to 19h 0 min

Gas

Initial meter reading (m³):	1.227	Final meter reading (m³):	-
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Electricity consumption (kWh):	1.475,2
Gas consumption (kWh):	-
Total energy consumption (kWh):	n/a

Final reporting period			
Starting date (dd/mm/yyyy):	17/01/2017	Final date (dd/mm/yyyy):	16/01/2018
Heating Degree Days (°C) :	1667,5		

Electricity

Initial meter reading (kWh):	5.567	Final meter reading (kWh):	9.535
10 day baseline peak demand	Power (kW): 5,33	Time (hh:mm):	15 h 24 min
3 day baseline peak demand	Power (kW): 8,45	Time (hh:mm):	14 h 37 min
Demand at the network peak	Power (kW): 1,26	Time (hh:mm):	17 h 0 min to 19h 0 min

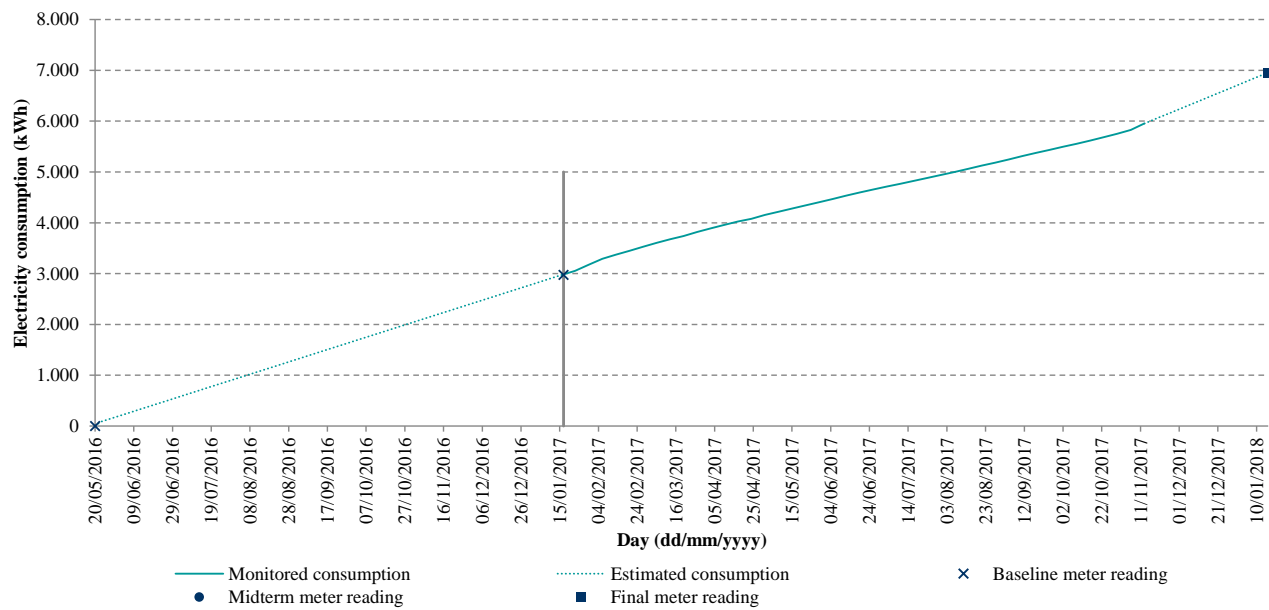
Gas

Initial meter reading (m³):	1.227	Final meter reading (m³):	2.036
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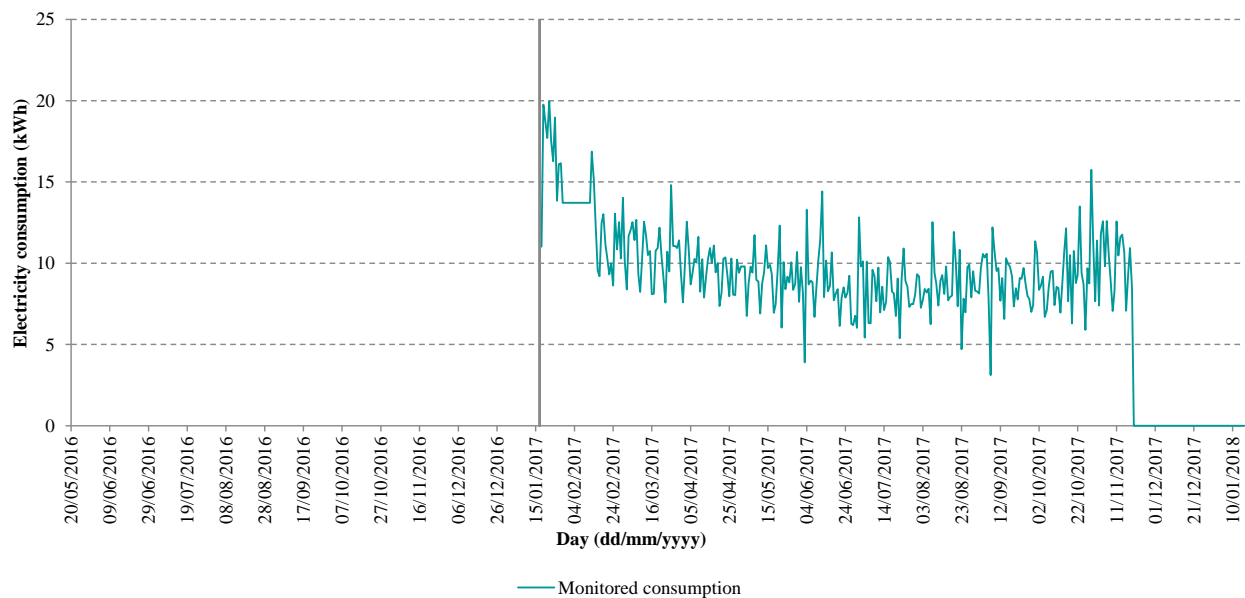
Electricity consumption (kWh):	3.968,2
Gas consumption (kWh):	9.027,5
Total energy consumption (kWh):	12.995,7

Baseline, midterm and final reporting period

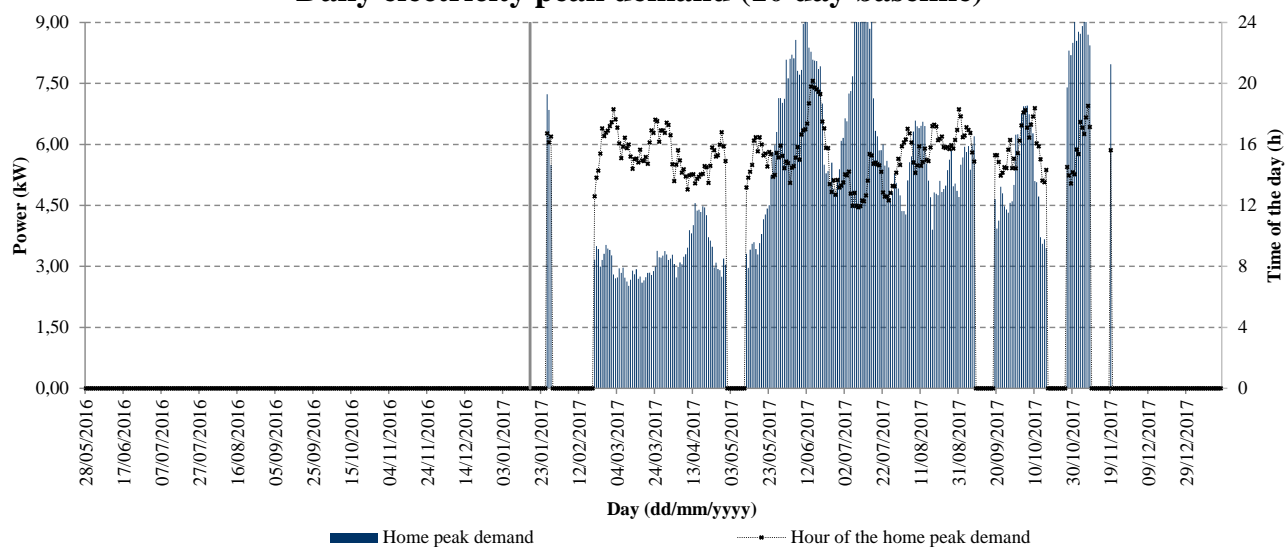
Cumulative electricity consumption



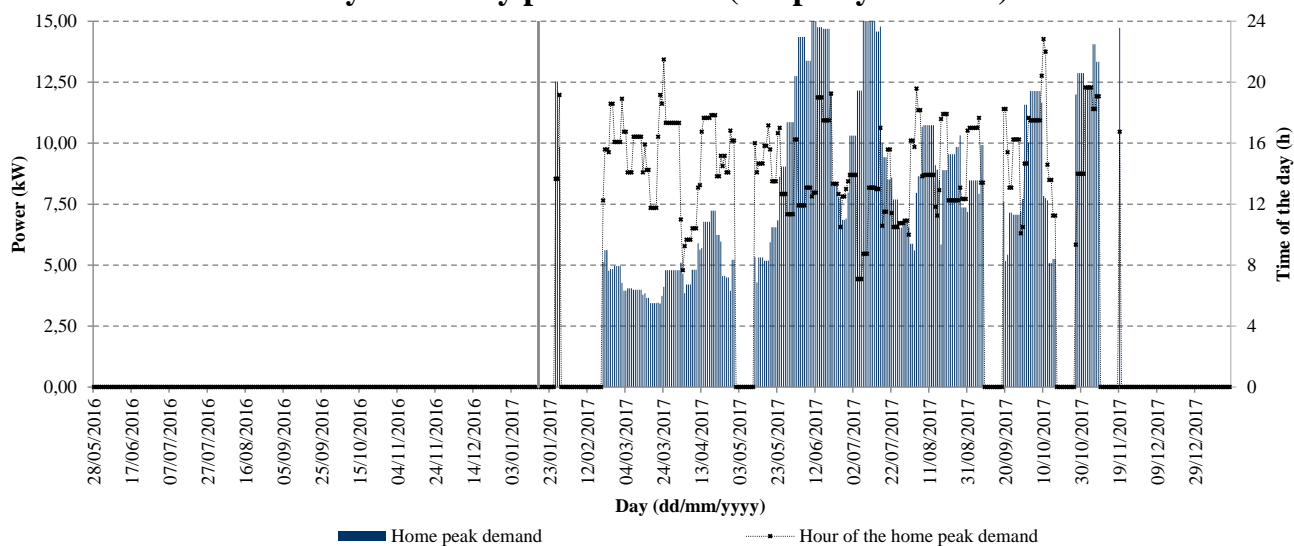
Daily electricity consumption



Daily electricity peak demand (10 day baseline)



Daily electricity peak demand (3 top day baseline)



Electricity peak demand

