

## Summary

To calculate the energy savings and the potential CAPEX, the three scenarios below were considered:

### Scenario 1

In this scenario, the specific consumption (kWh/m<sup>2</sup>) of each building is compared against the CIBSE energy benchmark. The energy savings derive from the variance between actual consumption and benchmark. When a building is found better than CIBSE's benchmark, 30% energy savings are considered for both electricity and fossil fuel consumption.

### Scenario 2

In this scenario, the total savings are estimated to be 50% of the given values for both fossil fuel and electricity consumption.

### Boiler replacement vs. Low Carbon Heating

In the first scenario, all old boilers in buildings where natural gas is the primary heat source are replaced. The savings depend on the existing boiler's age as described in the assumptions. New boilers are considered 95% efficient. **However please note that if low carbon technologies such as heat pumps are used to displace the gas, this budget cost should be doubled.** In order to calculate the energy savings of this low carbon heating initiative

## Key Results

### Scenario 1

Total Electricity Saved	kWh	1,027,977
Total Fossil Fuel Saved	kWh	4,776,762
<b>Total CAPEX</b>	<b>£</b>	<b>£5,900,122.84</b>
Total Buildings Listed	-	82
Buildings Reviewed*	-	58
Buildings currently better than electricity benchmark	-	32
Buildings currently better than fossil fuel benchmark	-	14

\* No area information available for 15 buildings

### Scenario 2

Total Electricity Saved	kWh	1,231,792
Total Fossil Fuel Saved	kWh	4,573,195
<b>Total CAPEX</b>	<b>£</b>	<b>£6,415,006.35</b>
Buildings without gas data (not considered)	-	8

### Boiler Replacement Programme

Total Fossil Fuel Saved	kWh	2,758,770
<b>Total CAPEX</b>	<b>£</b>	<b>£1,448,354.07</b>
Buildings without boiler age information (not considered)	-	5

### Low Carbon Heating

Total Fossil Fuel Saved	kWh	Not available
<b>Total CAPEX</b>	<b>£</b>	<b>£2,882,809.75</b>
Buildings without boiler age information (not considered)	-	5

<b>GRAND TOTAL (Average Scenario &amp; Additions)</b>	<b>£8,323,146.50</b>
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<b>GRAND TOTAL (Average Scenario &amp; Low Carbon Heating)</b>	<b>£9,040,374.34</b>
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## Assumptions

1 To calculate the savings, the average inflated unit rates used in the current REFIT project.

Gas Price	£	0.035
Elec Price	£	0.22

2 The payback period is considered 15 years

3 Gas consumption is only for space heating

4 Boilers efficiencies are estimated based on the age of the existing asset as per table below

Age (years)	Efficiency
> 15	65%
10-15	70%
< 10	75%
New boilers	95%

### Buildings without area information

2a Railway Street

Broadside

Cemetery Chapel The Lodge, Strood Cemetery

Eastgate House, High Street, Rochester, Kent

Kingsley House  
Register Office, Northgate, Rochester, Kent  
Temple Manor, Knight Road, Strood, Rochester, Kent  
The Keep (Rochester Castle), Castle Hill, Rochester  
The Strand Swimming Pool, Strand Approach Road, Gillingham  
The strand pitch and put  
Workshop, Woodlands Road Cemetery, Gillingham  
Unit 6A, Pier Road Ind Est  
Unit 22, 105-109 Hopewell Drive  
Unit 23, Hopewell Business Centre  
Upnor Castle, High Street, Upnor, Rochester, Kent  
Medway Archives, 32 Bryant Road, Strood, Rochester, Kent  
White Road Community Cente, Chatham

**Buildings without gas data**

1a Glanville Road (part Strood Library), Strood, Rochester  
2a Railway Street  
Pavilion / Changing Rooms, Priestfields, Rochester  
Snodhurst Bottom Pavilion, Chatham  
Strood Cemetery House, Cuxton Road, Rochester  
Elaine Centre, Elaine Avenue, Strood, Rochester  
Visitors Centre, Capstone Country Park, Gillingham  
Strood Youth Centre, Montfort Road, Strood, Rochester

**Buildings without boiler's age info**

2a Railway Street  
Aut Even Respite Care Centre, Patrixbourne Avenue, Twydall  
New Pavilion, Beechings Recreation Ground, Twydall  
Walderslade Library (Hook Meadow), King George Road, Walders  
Rainham Library

Data Sheet

Basic sheet

Payback period (years)	15
Scenario 1	Scenario 2
Savings for FF better than 30%	Savings for FF better than Good F 50%
Savings for elec better than 30%	Savings for Elec better than Good 50%

Premises (building/asset)	Address inc. postcode (for Solar modelling)	Premises type (Select)	CIBSE Type	Floor area (m²)	2019 - 2020		Current Consumption				CIBSE Benchmark				Scenario 1: Potential Savings against CIBSE Benchmark						Scenario 2: 50% Total Energy Savings				Scenario 3: Boiler upgrade scenario						
					Elec kWh	Elec unit rate € Kwh	Gas unit rate €	Electricity Consumption (kWh/m2)	Fossil Fuel (kWh/m2)	Electricity (kWh/m2)	Fossil Fuel (kWh/m2)	Elec better than Good Practice	Fuel Better Than Good Practice	Savings (kWh/m2)		Savings (kWh)		Savings (£)		Cost (£)		Savings (kWh)		Savings (£)		Cost (£)		Boilers Efficiency	Annual Gas Savings (kWh)	Annual Gas Savings (£)	Potential Capex (£)
														Electricity	Fossil Fuel	Annual Electricity Savings (kWh)	Annual Fossil Fuel Savings (kWh)	Annual Electricity (£)	Annual Fossil Fuel (£)	Potential Capex (£)	Annual Electricity Savings (kWh)	Annual Fossil Fuel Savings (kWh)	Annual Electricity (£)	Annual Fossil Fuel (£)	Potential Capex (£)						
					Electricity (kWh/m2)	Fossil Fuel (kWh/m2)	Annual Electricity Savings (kWh)	Annual Fossil Fuel Savings (kWh)	Annual Electricity (£)	Annual Fossil Fuel (£)	Potential Capex (£)	Annual Electricity Savings (kWh)	Annual Fossil Fuel Savings (kWh)	Annual Electricity (£)	Annual Fossil Fuel (£)	Potential Capex (£)	Boilers Efficiency	Annual Gas Savings (kWh)	Annual Gas Savings (£)	Potential Capex (£)											
147 Nelson Road, Gillingham	ME7 4LT	mental health day centre	day centres	165	8,095.83	€ 0.22	31,237.81	€ 0.04	49.07	189.32	51	203	YES	YES	14.72	56.80	2,428.75	9,371.34	€ 534.32	€ 328.00	€ 12,934.83	4,047.92	15,618.91	€ 890.54	€ 546.66	€ 21,558.04	0.70	8,220	€ 287.72	€ 4,315.75	
1a Glanville Road (part Strood Library), Strood, Rochester	ME2 3EH	office	naturally ventilated, open plan	80	2,339.07	€ 0.22	-	€ 0.04	29.24	-	54	79	YES	YES	8.77	-	701.72	-	€ 154.38	€ 0.00	€ 2,315.68	1,169.54	-	€ 257.30	€ 0.00	€ 3,859.47	0.65	-	€ 0.00	€ 0.00	
2a Railway Street	ME4 4L	stop smoking drop in centre, naturally ventilated, open plan	N/A	80	18,904.00	€ 0.22	-	€ 0.04	-	-	54	79	NO	NO	-	-	-	-	€ 0.00	€ 0.00	€ 0.00	9,452.00	-	€ 2,079.44	€ 0.00	€ 31,191.60	0.00	-	€ 0.00	€ 0.00	
Aur Even Respite Care Centre, Patribourne Avenue, Teyshall	ME8 6JF	vacant	residential care homes	331	17,295.50	€ 0.22	77,512.31	€ 0.04	-	-	-	-	-	-	-	-	-	-	€ 0.00	€ 0.00	€ 0.00	8,647.75	38,756.16	-	-	-	-	-	-	-	
Birling Avenue, 36a, Rainham, Gillingham, Kent	ME8 7UF	respite care adults with lear	residential care homes	193	14,453.43	€ 0.22	15,884.27	€ 0.04	74.89	82.30	59	492	NO	YES	15.89	24.69	3,064.43	4,765.28	€ 674.61	€ 166.78	€ 12,620.99	7,226.72	7,942.14	€ 1,589.88	€ 277.97	€ 28,017.78	0.65	5,016	€ 175.56	€ 2,634.44	
Broadside	ME4 4LL	office	naturally ventilated, open plan	N/A	-	€ 0.22	-	€ 0.04	-	-	54	79	NO	NO	-	-	-	-	€ 0.00	€ 0.00	€ 0.00	-	-	-	-	-	-	-	-	-	
Brook Pumping Station, The Brook, Chatham	ME4 4NA	museum	museums and art galleries(8)	262	2,019.17	€ 0.22	-	€ 0.04	7.71	-	57	96	YES	YES	2.31	-	605.75	-	€ 133.27	€ 0.00	€ 1,998.98	1,009.59	-	€ 222.11	€ 0.00	€ 3,331.63	0.00	-	€ 0.00	€ 0.00	
Cemetery Chapel The Lodge, Strood Cemetery	ME2 2NU	chapel	churches(12)	N/A	-	€ 0.22	-	€ 0.04	-	-	10	80	NO	NO	-	-	-	-	€ 0.00	€ 0.00	€ 0.00	-	-	-	-	-	-	-	-	-	
Cemetery Store, Maidstone Road Cemetery, Chatham	ME4 6AT	century building	churches(12)	156	1,256.00	€ 0.22	-	€ 0.04	8.05	-	10	80	YES	YES	2.42	-	376.00	-	€ 82.90	€ 0.00	€ 1,243.44	628.00	-	€ 138.16	€ 0.00	€ 2,072.40	0.00	-	€ 0.00	€ 0.00	
Chapel of Meditation, Medway Crematorium	ME5 9QU	chapel	churches(12)	23	-	€ 0.22	-	€ 0.04	-	-	10	80	NO	NO	-	-	-	-	€ 0.00	€ 0.00	€ 0.00	-	-	-	-	-	-	-	-	-	
Chapel, Maidstone Road Cemetery, Chatham	ME4 6AT	chapel	churches(12)	204	293.00	€ 0.22	10,899.04	€ 0.04	1.44	53.41	10	80	YES	YES	0.43	16.03	87.90	3,269.71	€ 19.34	€ 114.44	€ 2,006.67	146.50	5,445.52	€ 32.23	€ 190.71	€ 3,344.45	0.70	2,868	€ 100.39	€ 1,505.79	
Chapel, Strood Cemetery, Cuxton Road, Strood	ME2 2L	chapel	churches(12)	172	12.48	€ 0.22	-	€ 0.04	0.07	-	10	80	YES	YES	0.02	-	3.80	-	€ 0.84	€ 0.00	€ 12.55	6.34	-	€ 1.39	€ 0.00	€ 20.92	0.00	-	€ 0.00	€ 0.00	
Chapel, Woodlands Road Cemetery, Gillingham	ME7 2DX	chapel	churches(12)	81	11,888.80	€ 0.22	9,356.00	€ 0.04	146.78	115.51	10	80	NO	NO	136.78	35.51	11,078.80	2,876.00	€ 2,437.34	€ 100.66	€ 38,069.94	5,944.40	4,678.00	€ 1,307.77	€ 163.73	€ 22,072.47	0.00	-	€ 0.00	€ 0.00	
Chapels, St Margaret's Cemetery, Rochester	ME1 2HT	chapel	churches(12)	122	1,666.50	€ 0.22	-	€ 0.04	13.66	-	10	80	NO	NO	3.66	-	446.50	-	€ 98.23	€ 0.00	€ 1,473.45	833.25	-	€ 183.32	€ 0.00	€ 2,749.73	0.00	-	€ 0.00	€ 0.00	
Ciffes Sports Ground and Pavilion, Church street, cliff	ME3 7PT	sports pavilion	combined centre	122	4,170.63	€ 0.22	-	€ 0.04	34.19	-	96	264	YES	YES	10.26	-	1,251.19	-	€ 275.26	€ 0.00	€ 4,128.92	2,085.32	-	€ 458.77	€ 0.00	€ 6,881.54	0.00	-	€ 0.00	€ 0.00	
Cuxton Library, Bush Road, Cuxton, Rochester, ME2 1EY	ME2 1EY	library	library, naturally ventilated	154	5,846.43	€ 0.22	15,287.56	€ 0.04	38.61	99.27	46	115	YES	YES	11.58	29.78	1,783.93	4,580.27	€ 392.46	€ 160.52	€ 6,294.76	3,972.28	7,643.78	€ 654.11	€ 292.53	€ 13,824.59	0.65	4,828	€ 168.97	€ 2,534.52	
Eagle court, Rochester	ME1 1TF	meeting facility	community centres	186	21,295.64	€ 0.22	387.51	€ 0.04	114.49	2.08	22	125	NO	YES	92.49	0.63	17,203.64	116.25	€ 3,784.80	€ 4.07	€ 56,833.04	10,647.82	193.76	€ 2,342.52	€ 6.78	€ 35,239.53	0.00	-	€ 0.00	€ 0.00	
Eastgate House, High Street, Rochester, Kent	ME1 1W	museum and offices	museums and art galleries(8)	319	35,413.90	€ 0.22	204,570.43	€ 0.04	-	-	57	96	NO	NO	-	-	-	-	€ 0.00	€ 0.00	€ 0.00	17,706.95	102,285.22	€ 3,895.53	€ 3,579.98	€ 112,132.67	0.65	64,601	€ 2,614.04	€ 39,915.62	
Foord Annex, Eastgate House, High Street, Rochester	ME1 1W	office	naturally ventilated, open plan	339	-	€ 0.22	-	€ 0.04	-	552.22	54	79	NO	NO	-	473.22	-	160,421.00	-	€ 0.00	€ 5,614.81	€ 84,222.08	-	93,602.00	€ 0.00	€ 3,276.07	€ 49,141.05	0.65	59,117	€ 2,601.10	€ 31,038.45
Gillingham AEC, 48 Canterbury Street	ME7 5UN	adult education centre	secondary	672	28,116.78	€ 0.22	65,526.77	€ 0.04	41.84	97.51	25	108	NO	YES	16.84	29.25	11,316.78	19,658.03	€ 2,489.69	€ 688.03	€ 47,465.84	14,058.39	32,763.39	€ 3,092.85	€ 1,146.72	€ 63,599.46	0.65	20,693	€ 724.24	€ 10,863.65	
Gillingham Library, Chapel, Chapel Road, I. of G.	ME3 0BZ	library	library, naturally ventilated	120	-	€ 0.22	-	€ 0.04	-	-	46	115	NO	NO	-	-	-	-	€ 0.00	€ 0.00	€ 0.00	-	-	-	-	-	-	-	-	-	
Hempstead Library, Hempstead Road, Gillingham, Kent	ME7 3QG	library	library, naturally ventilated	397	8,366.96	€ 0.22	61,007.39	€ 0.04	21.08	153.67	46	115	YES	NO	6.32	38.67	2,510.09	15,352.39	€ 552.22	€ 537.33	€ 16,943.30	4,183.48	30,503.70	€ 920.37	€ 1,067.63	€ 29,819.92	0.70	16,055	€ 541.91	€ 8,428.65	
Innovation Centre Medway, Maidstone Road, Chatham	ME5 9SD	serviced offices	naturally ventilated, open plan	3,019	71,897.40	€ 0.22	-	€ 0.04	23.81	-	54	79	YES	YES	7.14	-	21,569.22	-	€ 14,745.23	€ 0.00	€ 71,178.43	35,948.70	-	€ 7,908.71	€ 0.00	€ 118,630.71	0.00	-	€ 0.00	€ 0.00	
Kidwell memorial clock	-	public clock	museums and art galleries(8)	22	103.76	€ 0.22	-	€ 0.04	4.72	-	57	96	YES	YES	1.41	-	110.22	-	€ 6.85	€ 0.00	€ 102.72	51.88	-	€ 11.41	€ 0.00	€ 171.20	0.00	-	€ 0.00	€ 0.00	
Kingsley House	ME7 4FF	customer contact hub/office	naturally ventilated, open plan	N/A	-	€ 0.22	-	€ 0.04	-	-	54	79	NO	NO	-	-	-	-	€ 0.00	€ 0.00	€ 0.00	-	-	-	-	-	-	-	-	-	
Luton Library, 1 Nelson Terrace, Luton, Chatham, Kent	ME5 7LA	library	library, naturally ventilated	258	9,108.69	€ 0.22	14,075.35	€ 0.04	35.31	54.56	46	115	YES	YES	10.59	-	2,732.61	4,222.61	€ 601.17	€ 147.79	€ 11,234.47	4,554.35	7,037.68	€ 1,001.96	€ 246.32	€ 18,724.12	0.65	4,445	€ 155.57	€ 2,339.54	
New Pavilion, Beechings Recreation Ground, Teyshall	ME8 6RX	sports pavilion	combined centre	136	-	€ 0.22	-	€ 0.04	-	294.89	96	264	NO	NO	-	30.80	-	€ 2,199.26	-	€ 1,199.26	€ 0.00	€ 20,046.54	-	€ 0.00	€ 701.63	€ 10,524.43	0.00	-	€ 0.00	€ 0.00	
Parkwood Youth Club, Long Catls Road, Parkwood, Gillingham	ME8 9PN	youth centre	community centres	246	14,187.00	€ 0.22	10,099.00	€ 0.04	57.67	41.05	22	125	NO	YES	35.67	12.32	8,775.00	3,029.70	€ 1,930.50	€ 106.04	€ 30,546.09	7,099.50	5,048.50	€ 1,560.57	€ 176.73	€ 26,059.54	0.65	3,389	€ 111.62	€ 1,674.31	
Pavilion / Changing Rooms, Westgate Ridge, Dow Court Road	ME8 8BZ	sports pavilion	combined centre	375	25,614.79	€ 0.22	-	€ 0.04	68.31	-	96	264	YES	YES	20.49	-	7,684.44	-	€ 1,690.58	€ 0.00	€ 25,358.64	12,807.40	-	€ 2,817.63	€ 0.00	€ 42,264.40	0.00	-	€ 0.00	€ 0.00	
Pavilion / Changing Rooms, Priestfields, Rochester	ME3 3AD	sports pavilion	combined centre	194	22,940.59	€ 0.22	-	€ 0.04	118.25	-	96	264	NO	NO	22.25	-	4,316.59	-	€ 949.65	€ 0.00	€ 14,244.75	11,470.30	-	€ 2,523.46	€ 0.00	€ 37,851.97	0.70	-	€ 0.00	€ 0.00	
Pavilion, Barnfield Recreation Ground, Street End Road, Chat	ME5 0BG	sports pavilion	combined centre	119	6,344.56	€ 0.22	1,967.51	€ 0.04	53.32	16.51	96	264	YES	YES	15.99	4.96	1,903.37	590.25	€ 418.74	€ 20.66	€ 6,591.00	3,172.28	983.76	€ 697.90	€ 34.43	€ 10,985.00	0.70	518	€ 18.12	€ 271.83	
Pavilion, Bostnal Recreation Ground, Manor Lane, Rochester, ME1 3HR	ME1 3HR	sports pavilion	combined centre	36	1,619.51	€ 0.22	-	€ 0.04	44.99	-	96	264	YES	YES	13.50	-	485.85	-	€ 106.89	€ 0.00	€ 1,603.31	809.76	-	€ 178.15	€ 0.00	€ 2,472.19	0.00	-	€ 0.00	€ 0.00	
Pavilion, Camley Road Recreation Ground, Strood	ME2 2DR	sports pavilion	combined centre	126	6,919.97	€ 0.22	-	€ 0.04	54.92	-	96	264	YES	YES	16.48	-	2,075.99	-	€ 456.72	€ 0.00	€ 6,850.77	3,459.99	-	€ 761.20	€ 0.00	€ 11,417.95	0.00	-	€ 0.00	€ 0.00	
Pavilion, Hempstead Playing Field, Hempstead Road, Gillingham	ME7 3QH	sports pavilion	combined centre	177	4,086.70	€ 0.22	34,436.75	€ 0.04	23.09	194.56	96	264	YES	YES	6.93	5															



# Data Sheet

## Additional sheet

Premises (building/asset)	Listed building? (Y / N)	Date of major refurbishments (if applicable)	Roof insulation (Y / N / Partial)	Other space heating supply	Building services (Select from drop down list where required)							Swimming pool (Y / N)	Data centre (Y / N)	Additional comments
					Water heating system	Zone heat / temp control (Y / N)	Zone time control (Y / N)	Weather compensation system? (Y / N)	Air handling units	Air conditioning (cooling)				
<b>CORPORATE</b>														
147 Nelson Road, Gillingham	N	N/A	Part	A/C	Gas Fired	Y	N	N	N	Y	N	N		
1a Glanville Road (part Strood Library), Strood, Rochester	Y	2006	Y	A/C	Gas Fired(Boiler) + Instantaneous hot water	Y	N	Y	N	Y	N	N		
2a Railway Street	N	N/A		N	Gas Fired(Boiler)	Y	N	Y	N	N	N	N		
Adult Education Centre, Eastgate, High Street, Rochester	N	Part Int Refurb 2008	Part	Electric Panel Heaters in offices	Gas Fired(Boiler) + Stand alone water	Y	N	Y	Y	Y	N	N		
All Saints Community Centre, Magpie Hall Road, Chatham	Y	N/A		A/C	Gas Fired(Boiler)	Y	Y	Y	Y	Y	N	N		
Aut Even Respite Care Centre, Patribourne Avenue, Twydall	Y	N/A		Electric Panel Heaters in	Gas Fired(Boiler)	Y	Y	N	N	N	N	N		
Rainham Library	N	Int Refurb 2014	N	Electric Panel Heaters in	Oil Fired (Boiler)	Y	N	Y	N	N	N	N		
Birling Avenue, 36a, Rainham, Gillingham, Kent	Y	N/A	Y	A/C	Gas Fired(Boiler)	Y	N	Y	N	N	N	N		
Broadside	N	N/A			Gas Fired(Boiler)	Y	N	Y	Y	N	Y	N	Not Medway Council leased	
Brook Pumping Station, The Brook, Chatham	N	N/A			Electric	Y	N	N	N	Y	N	N		
Cemetery Store, Maidstone Road Cemetery, Chatham	N	Major Extensions and Internal Refurb 2010-2006	Part	A/C	Gas Fired(Boiler)	Y	Y	N	Y	Y	Y	N		
Central Theatre, High Street, Chatham, Kent	Y			A/C	Gas Fired(Boiler)	Y	Y	Y	N	Y	N	N		
Chapel of Meditation, Medway Crematorium	N			A/C	Gas Fired(Boiler)	Y	Y	N	Y	Y	Y	N		
Chapel, Maidstone Road Cemetery, Chatham	Y	Ext Refurb 2018 Lift	Part	None	Gas Fired(Boiler) + Instantaneous hot	Y	N	N	N	N	N	N		
Chapel, Medway Crematorium, Chatham	N	N/A		A/C	Gas Fired(Boiler)	Y	N	N	N	Y	N	N		
Chapel, Strood Cemetery, Cuxton Road, Strood	Y	N/A		N	Oil Fired (Boiler)	Y	Y	N	N	Y	N	N		
Chapel, Woodlands Road Cemetery, Gillingham	N	N/A		N	Gas Fired(Boiler)	Y	N	N	N	N	N	N		
Chapels, St Margaret's Cemetery, Rochester	N	2015		A/C	Gas Fired(Boiler)	Y	N	N	N	Y	N	N		
Chatham Library, Dock Road, Gun Wharf, Chatham, Kent	N	N/A		N	Gas Fired(Boiler)	Y	Y	Y	N	Y	N	N		
Chattenden Community Centre, Swinton Avenue, Chattenden	Y	2016		N	Gas Fired(Boiler)	Y	N	Y	N	N	N	N		
Civic Headquarters, Gun Wharf, Dock Road, Chatham	N	N/A		N	Gas Fired(Boiler)	Y	Y	Y	N	N	N	N		
Cliffe Sports Ground and Pavilion, church street, cliffe	N	N/A		N	Gas Fired(Boiler)	Y	N	N	N	N	N	N		
Corn Exchange, Northgate, Rochester, Kent	N	N/A		N	Gas Fired(Boiler)	Y	N	Y	N	N	N	N		
Cuxton Library, Bush Road, Cuxton, Rochester, ME2 1EY	N	N/A		Electric Panel Heaters in offices		Y	N	N	N	N	N	N		
Eagle court, Rochester	N	N/A		Electric Panel Heaters in		Y	N	N	N	N	Y	N		
Eastgate House, High Street, Rochester, Kent	N	N/A		N		Y	N	Y	N	N	N	N		
Elaine Centre, Elaine Avenue, Strood, Rochester	N	N/A		N		Y	N	Y	N	N	N	N		
Foord Annexe, Eastgate House, High Street, Rochester	N	N/A		A/C	Gas Fired(Boiler)	Y	N	N	N	N	N	N		
Gillingham AEC, 48 Canterbury Street	N	Extension 2015	N	A/C	Gas Fired(Boiler)	Y	N	Y	Y	Y	N	N		
Gillingham Library, High Street, Gillingham, Kent	N	N/A		N		Y	N	Y	N	N	N	N		
gillingham pier, western arm	N	N/A		N	Gas Fired(Boiler)	Y	N	N	N	N	N	N		
Grain Library, Chapel, Chapel Road, l. of G.	N	N/A		N	Gas Fired(Boiler)	Y	N	N	N	N	N	N		
Guildhall and Extension, High Street, Rochester, Kent	N	N/A		N		Y	N	Y	N	N	N	N		

Hempstead Library, Hempstead Road, Gillingham, Kent	N	N/A		N		Y	N	N	N	N	N	N	
Hoo Library, Church Street, Hoo, Rochester, Kent	N	N/A		N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Hoo Swimming Pool, Main Road, Hoo, Rochester	N	N/A		N	Gas Fired(Boiler)	Y	N	Y	N	N	N	N	
Hook Meadow Community Centre, King George Road, C'ham	N	N/A	Part	Electric Panel Heaters in	Gas Fired(Boiler)	Y	N	Y	N	N	N	N	
Innovation Centre Medway, Maidstone Road, Chatham	N	N/A	Part	N	Instantaneous hot water	Y	N	N	N	N	N	Y	
kidwell memorial clock	N	N/A			All electric	Y	N	N	N	N	N	N	
Kingsley House	N	N/A		A/C		Y	N	N	N	Y	N	N	
Hempstead Library, Hempstead Road, Gillingham, Kent		N/A		N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Hoo Library, Church Street, Hoo, Rochester, Kent		N/A		N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Lordswood Library, Kestrel Road, Lordswood, Chatham, Kent	N	N/A	Part	Gas Fired Convector	Instantaneous hot water	Y	N	N	N	N	N	N	
St George's Centre, Chatham Maritime, Kent		N/A		N	Gas Fired(Boiler)	Y	N	Y	N	N	N	N	
Wigmore Library, 208 Fairview Avenue, Wigmore, Gillingham	N	N/A	N	2 Overhead Electric Door	Oil Fired(Boiler) + Instantaneous hot	Y	N	N	N	N	N	N	
The Brook Multi Storey Car Park, Chatham		N/A		N		Y	N	N	N	N	N	N	
Station Road, 1-3, Rainham, Gillingham, Kent		N/A		N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Hook Meadow Community Centre, King George Road, C'ham		N/A		N	Gas Fired(Boiler)	Y	N	Y	N	N	N	N	
Rainham Library, Birling Avenue, Rainham, Kent		N/A		Electric heaters in Offices	Gas Fired(Boiler)	Y	N	Y	N	N	N	N	
Walderslade Library (Hook Meadow), King George Road, Walders		N/A		N		Y	Y	N	N	N	N	N	
2a Railway Street		N/A		N		Y		N	N	N	N	N	
Broadside		N/A				Y			Y	N	N		
Grain Library, Chapel, Chapel Road, I. of G.		N/A		Electric heaters in Offices		Y	N	N	N	N	N	N	
Kingsley House		N/A		N		Y			N	Y	N	N	
Aut Even Respite Care Centre, Patricbourne Avenue, Twydall		N/A		N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
The Old Vicarage, Upnor Road, Upnor, Rochester, Kent					Heat pump	Y	N	Y	N	N	N	N	Building Empty
Twydall Library, Units 14-15 Twydall Shopping Centre West		2016			All Electric	Y	Y	N	N	Y	N	N	
Gillingham AEC, 48 Canterbury Street		N/A		N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Luton Library, 1 Nelson Terrace, Luton, Chatham, Kent		N/A		N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Parkwood Youth Club, Long Catlis Road, Parkwood, Gillingham		N/A		Electric heaters in Offices	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Strood Community Hub		N/A			All electric	Y	Y	N	N	Y	N	N	
Walderslade Village Library, Walderslade Centre, Chatham		N/A		N		Y	N	N	N	N	N	N	
Beechings Crossing Pavilion, Yokosuka Way, Gillingham		N/A		N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Brook Pumping Station, The Brook, Chatham		N/A	N		POU	Y	Y	N	N	N	N	N	Basic time control
Cemetery Store, Maidstone Road Cemetery, Chatham		N/A	N	Electric heaters	POU	Y	N	N	N	N	N	N	
Chapel of Meditation, Medway Crematorium		N/A	N	Electric heaters	No	Y	N	N	N	N	N	N	
Chapel, Maidstone Road Cemetery, Chatham		N/A	N	Electric heaters	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Chapel, Strood Cemetery, Cuxton Road, Strood		N/A	N	Electric heaters		Y	N	N	N	N	N	N	
Chapel, Woodlands Road Cemetery, Gillingham		N/A	N	Electric heaters		Y	N	N	N	N	N	N	
Chapels, St Margaret's Cemetery, Rochester		N/A	N	Electric heaters		Y	N	N	N	N	N	N	
New Bus Station		N/A		N	POU	Y	N	N	N	N	N	N	
New Pavilion, Beechings Recreation Ground, Twydall		N/A		N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Pavilion / Changing Rooms, Deangate Ridge, Dux Court Road		N/A	N	N	Gas Fired(Boiler)	Y			N	N	N	N	
Pavilion / Changing Rooms, Priestfields, Rochester		N/A	N	N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	

Pavilion, Barnfield Recreation Ground, Street End Road, Chat		N/A	N	N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Pavilion, Borstal Recreation Ground, Manor Lane, Rochester,		N/A	N		Electric	Y	N	N	N	N	N	N	
Pavilion, Darnley Road Recreation Ground, Strood		N/A	N	N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Pavilion, Hempstead Playing Field, Hempstead Road, Gillingha		N/A	N	N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Pavilion, Jackson Recreation Ground, New Road, Rochester		N/A	N	N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Pavilion, Knights Place Rec. Ground, Sharfleet Drive,Strood		N/A	N	N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Pavilion, Luton Sports Ground, Capstone Road, Chatham		N/A	N	N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Pavilion, Merryboys Recreation Ground, Cliffe Woods		N/A	N		Electric	Y	N	N	N	N	N	N	
Pavilion, Rainham Recreation Ground, Wakeley Road, Gill		N/A	N		Electric	Y	N	N	N	N	N	N	
Snodhurst Bottom Pavilion, Chatham		N/A	N	N	Gas Fired(Boiler)	Y	N	N	N	N	N	N	
Snodhurst Bottom Pitch & Putt Pavilion, Chatham, Kent		N/A	N		Electric	Y	N	N	N	N	N	N	
Store / Garage, Capstone Country Park, Gillingham		N/A	N	N	POU	N	N	N	N	N	N	N	
Temple Manor, Knight Road, Strood, Rochester, Kent		N/A	N	Electric Heaters	POU	N	N	N	N	N	N	N	
The Keep (Rochester Castle), Castle Hill, Rochester		N/A	N	Electric Heaters	POU	N	N	N	N	N	N	N	
The Old Mortuary, Woodlands Road Cemetery, Gillingham		N/A	N	N	POU	N	N	N	N	N	N	N	
The Strand Toilets, Strand Approach Road, Gillingham		N/A	N		POU	N	N	N	N	N	N	N	
Toilet Block 1, Capstone Country Park, Gillingham		N/A	N	Electric Heaters	POU	N	N	N	N	N	N	N	
Toilet Block 2, Capstone Country Park, Gillingham		N/A	N	Electric Heaters	POU	N	N	N	N	N	N	N	
Toilets & Bus Shelter, Church Street, Cliffe, Rochester		N/A	N		POU	N	N	N	N	N	N	N	
Toilets, Canterbury Street, Gillingham, Kent		N/A	N		POU	N	N	N	N	N	N	N	
Toilets, Castle Gardens, Castle Hill, Rochester, Kent		N/A	N		POU	N	N	N	N	N	N	N	
Toilets, Grain Road, Stoke, Rochester, Kent		N/A	N		POU	N	N	N	N	N	N	N	
Toilets, Northgate, Rochester, Kent		N/A	N		POU	N	N	N	N	N	N	N	
Toilets, Parkwood Green, Parkwood, Gillingham		N/A	N		POU	N	N	N	N	N	N	N	
Toilets, Rainham Shopping Centre		N/A	N		POU	N	N	N	N	N	N	N	
Toilets, Sapper Walk, Gillingham, Kent		N/A	N		POU	N	N	N	N	N	N	N	
Toilets, Stoke Road, Hoo St Werburgh, Rochester		N/A	N		POU	N	N	N	N	N	N	N	
Toilets, Twydall Green		N/A	N		POU	N	N	N	N	N	N	N	
Toilets, Woodlands Road Cemetery, Gillingham		N/A	N		POU	N	N	N	N	N	N	N	
Workshop, Woodlands Road Cemetry, Gillingham		N/A	N		POU	N	N	N	N	N	N	N	
Cliffe Sports Ground and Pavilion, church street, cliffe		N/A	N	Electric Heaters	POU	N	N	N	N	N	N	N	
Toilets, The Street, High Halstow, Rochester		N/A	N			N	N	N	N	N	N	N	
Tourist Information Centre, ground floor and front basement High Street, 95, Rochester, Kent,		N/A	N	A/C	Gas Fired(Boiler)	Y	N	Y		Y	N	N	
Toilets, Cooling Village Hall, Main Road, Cooling		N/A	N			N	N	N	N	N	N	N	
Upnor Castle, High Street, Upnor, Rochester, Kent		N/A	N			N	N	N	N	N	N	N	
<b>SCHOOLS</b>													
Abbey Court Primary	N		Y		Gas Fired(Boiler)				N	N	N		
Abbey Court Secondary	N		Y		Heat pump				N	N	Y		They have a hydrotherapy pool.
Balfour Infant	N		Y		Gas Fired(Boiler)				N	N	N		
Burnt Oak Primary	N		Y		Gas Fired(Boiler)				N	Y	N		
Crest Infant School - formerly Delce Infant	N	2007	Y		Heat pump				N	N	N		

Fairview Primary	N		Y		Heat pump				N	N	N		
Greenvale Infant	N	2014	Y		Heat pump				N	N	N		
Hempstead Infant	N		Y		Gas Fired(Boiler)				N	N	N		
Hempstead Junior	N		Y		Gas Fired(Boiler)				N	N	N		
Horsted School - formerly Horsted Infant and Horsted Junior	N		Y		Heat pump				N	Y	N		
Luton Infant	N		Y		Stand alone water heater				N	N	N		
Luton Junior	N		Y		Heat pump				N	N	N		
New Road Primary	N		Y		Heat pump				N	Y	N		
Oaklands Primary	N	2012	Y		Gas Fired(Boiler)				N	Y	Y		
Parkwood Schools Federation - formerly Parkwood Infants and Parkwood Juniors	N		Y		Gas Fired(Boiler)				N	Y	N		
English Martyrs RC Primary	N		Y		Heat pump				N	N	N		
St Augustine's RC Primary	N		Y		Gas Fired(Boiler)				N	N	N		
St Benedicts RC Primary	N		Y		Heat pump				N	Y	N		
St Marys Island CE Primary	N	2019	Y		Heat pump				N	Y	N		
St Marys RC Primary	N		Y		Heat pump				N	Y	N		
St Michael's RC Primary	N	2014	Y		Instantaneous hot water				N	N	N		
St Thomas of Canterbury RC Primary	N	2016	Y		Gas Fired(Boiler)				N	N	N		
St Thomas More RC Primary	N		Y		Heat pump				N	N	N		
St William of Perth RC Primary	N		Y		Gas Fired(Boiler)				N	Y	N		
St Helen's CE Primary	N		Y		Stand alone water heater				N	Y	N		
St Nicholas CE Infant	N		Y		Heat pump				N	N	N		
St Peters Infant	N		Y		Gas Fired(Boiler)				N	N	N		
Swingate Primary	N		Y		Heat pump				N	N	N		
Will Adams Centre - Pupil Referral Unit	N	2014	Y		Gas Fired(Boiler)				N	N	N		
St John Fisher - Site 1	N		Y		Gas Fired(Boiler)				N	N	N		
St John Fisher - Site 2 - 6th Form	Y		Y		Gas Fired(Boiler)				N	Y	N		
Medway Tunnel, West Service Building.	N	N/A	Y	Wall heaters / HVAC	Electric point heaters	N	N	N	N	Y	N	Y	
Medway Tunnel, East Service Building.	N	N/A	N	Wall heaters / HVAC	Electric point heaters	N	N	N	N	Y	N	N	This building is partly underground and un-maned.



**Energy consumption kWh/m2**

Fossil Fuel Electricity

1 :	<b>Catering:</b>		
1.1 :	Fast food restaurants	480	820
1.2 :	Public houses	1.5	0.8
1.3 :	Restaurants with bar	1100	650
1.4 :	Restaurants in public houses	2700	1300
2 :	<b>Entertainment:</b>		
2.1 :	Theatres	420	180
2.2 :	Cinemas	515	135
2.3 :	Social clubs	2700	1300
2.4 :	Bingo clubs	440	190
3 :	<b>Education (further and higher)(3)[c]:</b>		
3.1 :	catering, bar/restaurant	182	137
3.2 :	catering, fast food	438	200
3.3 :	lecture room, arts	100	67
3.4 :	lecture room, science	110	113
3.5 :	library, air conditioned	173	292
3.6 :	library, naturally ventilated	115	46
3.7 :	residential, halls of residence	240	85
3.8 :	residential, self catering/flats	200	45
3.9 :	science laboratory	110	155
4 :	<b>Education (schools)(4):</b>		
4.1 :	primary	113	22
4.2 :	secondary	108	25
4.3 :	secondary (with swimming pool)	142	29
5 :	<b>Hospitals(5):</b>		
5.1 :	teaching and specialist	339	86
5.2 :	acute and maternity	422	74
5.3 :	cottage	443	55
5.4 :	long stay	401	48
8 :	<b>Local authority buildings(8):</b>		
8.1 :	car park (open)	—	—
8.2 :	car park (enclosed)	—	—
8.3 :	community centres	125	22
8.4 :	day centres	203	51
8.5 :	depots	283	37
8.6 :	sheltered housing	314	46
8.7 :	residential care homes	492	59
8.8 :	temporary homeless units	408	48
8.9 :	town hall (see also offices)	138	84
10 :	<b>Offices(10)[e]:</b>		
10.1 :	air conditioned, standard	97	128
10.2 :	air conditioned, prestige	114	234
10.3 :	naturally ventilated, cellular	79	33
10.4 :	naturally ventilated, open plan	79	54
11 :	<b>Primary health care (general practitioners'surgeries and dental practi</b>	174	—
12 :	<b>Public buildings:</b>		
12.01 :	ambulance stations(11)	350	50
12.02 :	churches(12)	80	10
12.03 :	courts (Magistrates)(13)[g]	125	31
12.04 :	courts (County)(13)[g]	125	52
12.05 :	courts (Crown)(13)[g]	139	68
12.06 :	courts (combined County/Crown)(13)[g]	111	57
12.07 :	fire stations(11)	385	55
12.08 :	libraries(8)	113	32
12.09 :	museums and art galleries(8)	96	57
12.1 :	police stations(11)	295	45
12.11 :	prisons(14)	18861	3736
12.12 :	prisons (high security)(14)	18861	7071
12.13 :	Residential and nursing homes(15)	247	44
14 :	<b>Sports and recreation(17)[e]:</b>		
14.1 :	combined centre	264	96
14.2 :	dry sports centre (local)	158	64
14.3 :	fitness centre	201	127
14.4 :	ice rink	100	167
14.5 :	leisure pool centre	573	164
14.6 :	sports ground changing facility	141	93
14.7 :	swimming pool (25 m) centre	573	152
13 :	<b>Retail(16):</b>		
13.01 :	banks and building societies	63	71
13.02 :	banks and building societies (all electric)	—	122
13.03 :	book stores (all electric)	—	210
13.04 :	catalogue stores	37	83
13.05 :	catalogue stores (all electric)	—	100
13.06 :	clothes shops	65	234
13.07 :	clothes shops (all electric)	—	270
13.08 :	department stores	194	237
13.09 :	department stores (all electric)	—	209
13.1 :	distribution warehouses	103	53
13.11 :	distribution warehouses (all electric)	—	55
13.12 :	DIY stores	149	127
13.13 :	electrical goods rental	—	281
13.14 :	electrical goods retail	—	172
13.15 :	frozen food centres	—	858

13.16 :	high street agencies		150	55
13.17 :	high street agencies (all electric)	—		90
13.18 :	meat butchers (all electric)	—		475
13.19 :	off licences (all electric)	—		475
13.2 :	supermarket (all electric)	—		1034
13.21 :	post offices		140	45
13.22 :	post office (all electric)	—		80
13.23 :	shoe shops (all electric)	—		197
13.24 :	small food shops		80	400
13.25 :	small food shops (all electric)	—		440
13.26 :	supermarket		200	915
9 :	<b>Ministry of Defence (MoD) buildings(9):</b>			
9.1 :	aircraft hangars (heated)		220	23
9.2 :	junior mess		2.5	1.4
9.3 :	motor transport facilities		317	20
9.4 :	multi-occupancy accommodation		225	29
9.5 :	officers' mess		4.4	2.5
9.6 :	stores/warehouses (occupied)		187	34
9.7 :	stores/warehouses (unoccupied)		54	3
9.8 :	workshops		175	29
6 :	<b>Hotels(6):</b>			
6.1 :	holiday		260	80
6.2 :	luxury		300	90
6.3 :	small		240	80
7 :	<b>Industrial buildings(7)[e][f]:</b>			
7.1 :	post-1995; ≤5000 m2		96	—
7.2 :	post-1995; >5000 m2		92	—
7.3 :	pre-1995; ≤5000 m2		107	—
7.4 :	pre-1995; >5000 m2		103	—