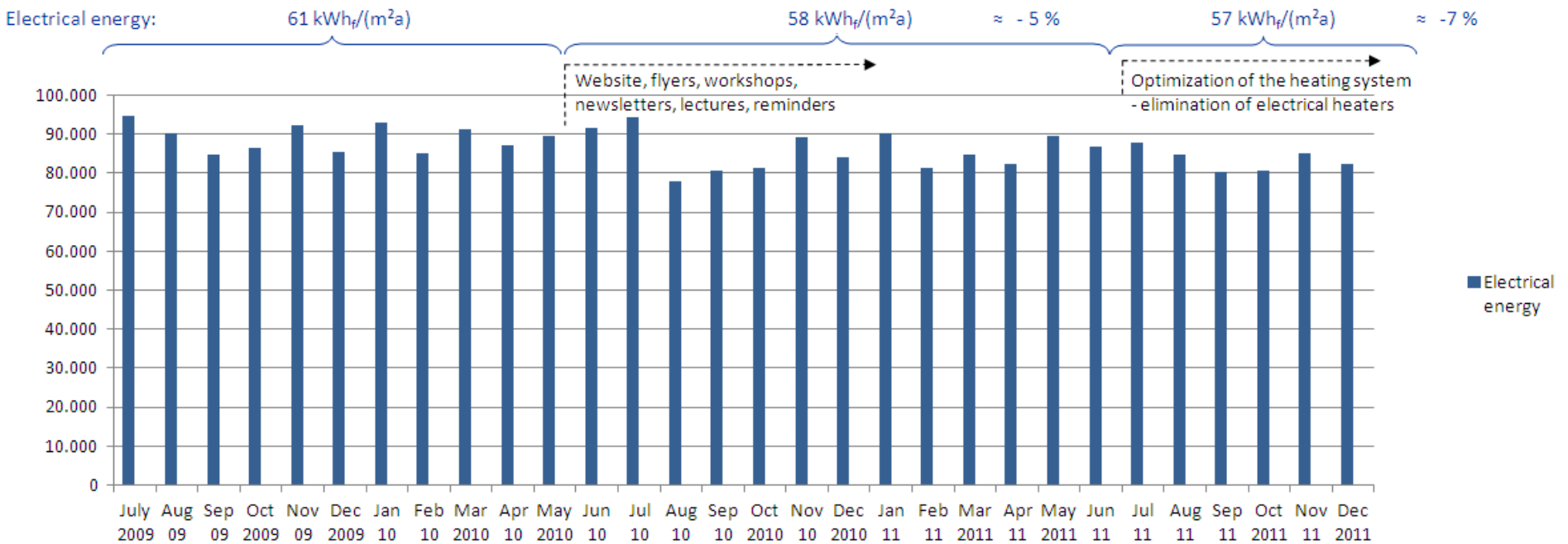


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Electrical energy consumption [kWh]



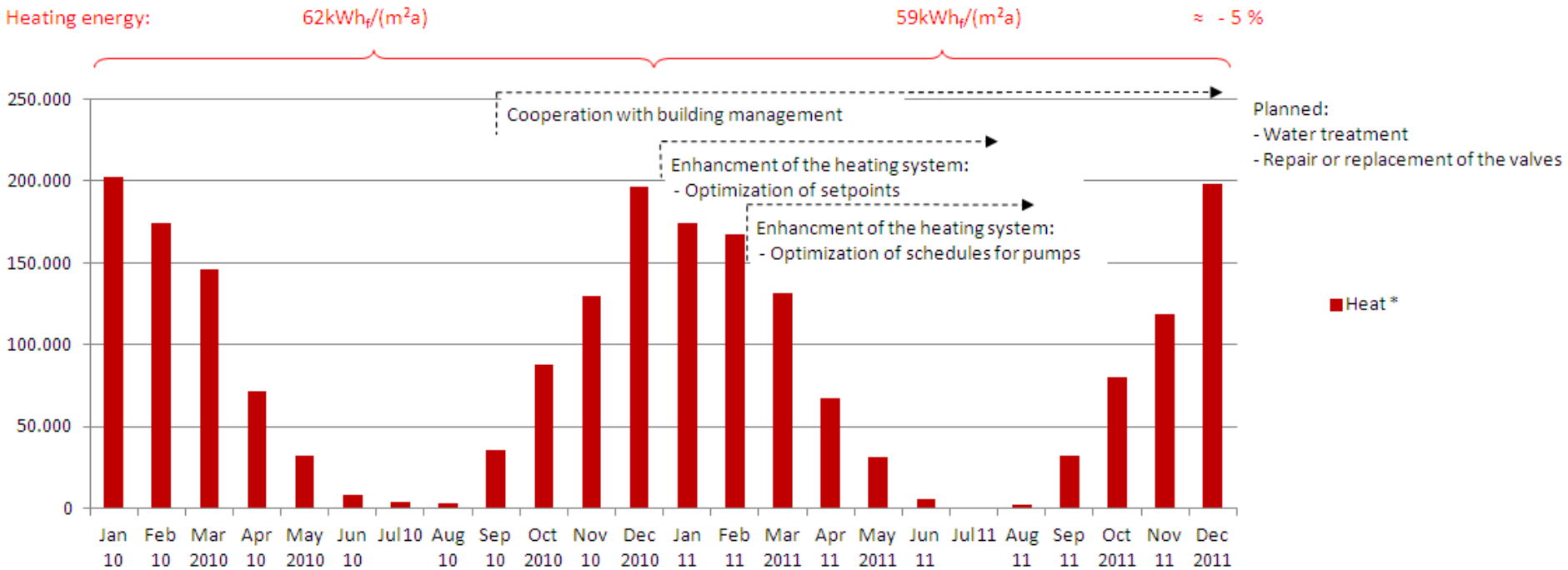
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Heating energy consumption [kWh]



¹ data are weather corrected for the weather station Braunschweig (quelle: www.dwd.de)

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Energy consumption July 2009 – June 2010

Number	Indicator	Symbol	July 2009	Aug 09	Sep 09	Oct 2009	Nov 09	Dec 2009	Jan 10	Feb 10	Mar 2010	Apr 10	May 2010	Jun 10
1	Primary energy consumption	Ep	257.335	245.176	240.844	300.333	323.022	367.477	442.878	374.199	350.250	289.696	285.702	253.103
1a	Specific primary energy consumption	Ep'	14,69	14,00	13,75	17,15	18,44	20,98	25,29	21,36	20,00	16,54	16,31	14,45
2	Delivered electrical energy	EE,del	94.620	90.204	84.707	86.612	92.420	85.530	92.961	85.012	91.230	87.268	89.615	91.613
2a	Specific delivered electrical energy	EE,del'	5,40	5,15	4,84	4,95	5,28	4,88	5,31	4,85	5,21	4,98	5,12	5,23
3	Delivered heating energy ¹	EH,del	2.610	2.280	17.020	93.240	103.070	191.510	269.120	202.900	145.762	75.840	61.350	8.060
3a	Specific delivered heating energy ¹	EH,del'	0,15	0,13	0,97	5,32	5,88	10,93	15,37	11,58	8,32	4,33	3,50	0,46
4	Delivered cooling energy	EC,del	-	-	-	-	-	-	-	-	-	-	-	-
4a	Specific delivered cooling energy	Ec,del'	-	-	-	-	-	-	-	-	-	-	-	-
5	CO2 Emissions	mCO2	60.455	57.589	57.274	74.846	80.633	95.261	116.630	97.379	89.047	71.525	69.899	59.722
5a	Specific CO2 emissions	m CO2'	3	3	3	4	5	5	7	6	5	4	4	3
6	Relative reduction of CO2 emissions (with reference to the baseline)	SAVrel,CO2	-	-	-	-	-	-	-	-	-	-	-	-
7	Relative energy savings in primary energy (with reference to the baseline)	SAVrel,Ep	-	-	-	-	-	-	-	-	-	-	-	-
8	Energy cost savings using actual local energy prices (with reference to the baseline)	SAV€	-	-	-	-	-	-	-	-	-	-	-	-
8a	Relative energy cost savings using actual local energy prices (with reference to the baseline)	SAVrel,€	-	-	-	-	-	-	-	-	-	-	-	-

¹ data are not weather corrected

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Center of Informatics of Technical University of Braunschweig

Energy consumption July 2010 – June 2011

Number	Indicator	Symbol	Jul 10	Aug 10	Sep 10	Oct 2010	Nov 10	Dec 2010	Jan 11	Feb 11	Mar 2011	Apr 11	May 2011	Jun 11
1	Primary energy consumption	Ep	257.172	212.907	253.023	291.065	344.345	415.941	385.130	347.880	321.689	256.537	261.843	245.467
1a	Specific primary energy consumption	Ep'	14,68	12,16	14,45	16,62	19,66	23,75	21,99	19,86	18,37	14,65	14,95	14,01
2	Delivered electrical energy	EE,del	94.301	77.846	80.680	81.236	89.176	83.927	90.225	81.245	84.683	82.531	89.461	86.723
2a	Specific delivered electrical energy	EE,del'	5,38	4,44	4,61	4,64	5,09	4,79	5,15	4,64	4,83	4,71	5,11	4,95
3	Delivered heating energy ¹	EH,del	3.590	3.820	49.350	100.600	145.260	265.550	198.490	180.250	130.500	47.270	28.470	15.870
3a	Specific delivered heating energy ¹	EH,del'	0,20	0,22	2,82	5,74	8,29	15,16	11,33	10,29	7,45	2,70	1,63	0,91
4	Delivered cooling energy	EC,del	-	-	-	-	-	-	-	-	-	-	-	-
4a	Specific delivered cooling energy	Ec,del'	-	-	-	-	-	-	-	-	-	-	-	-
5	CO2 Emissions	mCO2	60.463	50.097	61.667	73.023	87.638	110.145	99.732	90.131	81.625	62.392	62.742	58.303
5a	Specific CO2 emissions	m CO2'	3	3	4	4	5	6	6	5	5	4	4	3
6	Relative reduction of CO2 emissions (with reference to the baseline)	SAVrel,CO2	-	-	-	-	-	-	-	-	-	-	-	-
7	Relative energy savings in primary energy (with reference to the baseline)	SAVrel,Ep	-	-	-	-	-	-	-	-	-	-	-	-
8	Energy cost savings using actual local energy prices (with reference to the baseline) ²	SAV€	-	-	-	-	-	-	-	-	-	-	-	-
8a	Relative energy cost savings using actual local energy prices (with reference to the baseline) ²	SAVrel,€	-	-	-	-	-	-	-	-	-	-	-	-

¹ data are not weather corrected

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Energy consumption January 2010 – December 2011

Number	Indicator	Symbol	Jul 11	Aug 11	Sep 11	Oct 2011	Nov 11	Dec 2011	-	-	-	-	-	-
1	Primary energy consumption	Ep	237.333	231.129	230.158	272.549	325.358	341.510	-	-	-	-	-	-
1a	Specific primary energy consumption	Ep'	13,55	13,20	13,14	15,56	18,58	19,50	-	-	-	-	-	-
2	Delivered electrical energy	EE,del	87.901	84.845	80.284	80.647	85.017	82.295	-	-	-	-	-	-
2a	Specific delivered electrical energy	EE,del'	5,02	4,84	4,58	4,60	4,85	4,70	-	-	-	-	-	-
3	Delivered heating energy ¹	EH,del	0	2.870	18.780	76.860	134.380	167.340	-	-	-	-	-	-
3a	Specific delivered heating energy ¹	EH,del'	0,00	0,16	1,07	4,39	7,67	9,55	-	-	-	-	-	-
4	Delivered cooling energy	EC,del	-	-	-				-	-	-	-	-	-
4a	Specific delivered cooling energy	Ec,del'	-	-	-				-	-	-	-	-	-
5	CO2 Emissions	mCO2	55.641	54.323	54.853	67.553	82.670	88.024	-	-	-	-	-	-
5a	Specific CO2 emissions	m CO2'	3	3	3	4	5	5	-	-	-	-	-	-
6	Relative reduction of CO2 emissions (with reference to the baseline)	SAVrel,CO2	-	-	-	-	-	-	-	-	-	-	-	-
7	Relative energy savings in primary energy (with reference to the baseline)	SAVrel,Ep	-	-	-	-	-	-	-	-	-	-	-	-
8	Energy cost savings using actual local energy prices (with reference to the baseline) ²	SAV€	-	-	-	-	-	-	-	-	-	-	-	-
8a	Relative energy cost savings using actual local energy prices (with reference to the baseline) ²	SAVrel,€	-	-	-	-	-	-	-	-	-	-	-	-

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Energy savings

Electrical energy

	Period	Electrical energy consumption	Specific electrical energy consumption	Savings
Baseline	July 2009 – June 2010	1.071.791 kWh/a	61 kWh/m ² a	-
First measures	July 2010 – June 2011	1.022.033 kWh/a	58 kWh/m ² a	5%
Further measures	July 2011 – December 2011	1.001.980* kWh/a	57 kWh/m ² a *	7%

Heating energy

	Period	Heating energy consumption *	Specific heating energy consumption *	Savings
Baseline	January – December 2010	1.091.631kWh/a	62 kWh/m ² a	-
First measures	January – December 2011	1.036.883 kwh/a	59 kWh/m ² a	5%

* weather corrected for the weather station Braunschweig, source: www.dwd.de)

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