

Witterungsbereinigter Energiedatenvergleich für ausgewählte Liegenschaften des Bezirkes Charlottenburg-Wilmersdorf

Parameter:		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Korrekturfaktor k_n zur Gradtagsbereinigung mit Heizgradwerten (HGW) des Meter						
CO ₂ -Anteil bei Fernwärme:	0,251 kg CO ₂ /kWh	0,252	0,252	0,252	0,252	0,252	0,252	0,252	0,252	0,272	0,236		2005	1,1131					
CO ₂ -Anteil bei Erdgas:	0,201 kg CO ₂ /kWh	0,201	0,201	0,201	0,201	0,201	0,201	0,201	0,201	0,201	0,201		2006	1,1337	2011	1,0588	(3600 IM)	2017	
CO ₂ -Anteil bei Strom:	0,572 kg CO ₂ /kWh	0,572	0,572	0,572	0,572	0,572	0,572	0,572	0,572	0,539	0,398		2007	1,1640	2012	0,9867	(3600 IM)	2018	
CO ₂ -Anteil bei Heizöl:	0,303 kg CO ₂ /kWh	0,266	0,266	0,266	0,266	0,266	0,266	0,266	0,266	0,3	0,303		2008	1,0672	2013	0,9635	(3600 IM)	2019	
CO ₂ -Anteil bei Fernwärme 1995:	0,279 kg CO ₂ /kWh												2009	0,9972	2014	1,1469	(3575) LM	2020	
CO ₂ -Anteil bei Flüssiggas:	0,263 kg CO ₂ /kWh												2010	0,8431	2015	1,06863	(3575) LM		
CO ₂ -Anteil bei Heizöl 199):	0,400 kg CO ₂ /kWh												1995	1,0892	2016	1,04115	(3575) LM		

lfd. Nr.	BGF	m ²	CO ₂ Verbräuche			Norm-Jahresenergieverbrauch														2005 kW	2006 kW		
			1995 t/a	CO ₂ neu t/a	1995 [kWh/a]	2005 kWh/a	2006 kWh/a	2007 kWh/a	2008 kWh/a	2009 kWh/a	2010 kWh/a	2011 kWh/a	2012 kWh/a	2013 kWh/a	2014 kWh/a	2015 kWh/a	2016 kWh/a	2017 kWh/a	2018 kWh/a			2019 kWh/a	
Dienstgebäude/ Rathäuser																							
1	Rathaus Charlottenburg																						
	Fernwärme	54.900	1.572	1.330	5.635.859	4.953.974	4.934.071	4.636.764	4.262.356	3.520.519	4.067.040	4.247.688	4.352.426	4.290.492	3.903.822	3.694.133	3.813.672	4.859.825	4.293.979	3.841.587	1.670	1.670	
	Strom		626	436	1.095.000	1.141.792	1.114.921	1.141.939	1.137.566	1.175.566	1.215.582	1.254.485	1.302.756	1.246.674	1.205.952	1.332.108	1.360.000	1.372.349	1.365.567	1.130.344			
	Rathaus Wilmersdorf																						
	Fernwärme					2.847.384	2.917.416	2.790.334	2.585.565	2.575.472	2.368.615	2.211.375	2.184.218								1.273	1.232	
	Strom					914.878	892.167	989.660	939.590	919.728	941.751	919.425	830.693										
2	Rathaus Schmargendorf																						
	Fernwärme	4.148	184	156	660.411	521.359	537.223	610.959	454.858	462.180	539.503	411.842	401.389	425.416	411.715	405.931	414.538	449.952	438.488	438.887	218	218	
	Strom		30	21	52.000	41.769	46.400	47.138	43.325	42.458	34.903	38.142	41.701	39.024	41.704	41.526	40.300	42.500	42.000	44.100			
3	Dienstgebäude Hohenzollerndamm																						
	Fernwärme	27.217	742	628	2.660.233	2.325.638	2.345.747	1.718.083	1.833.397	1.687.933	1.701.978	1.608.757	1.596.937	1.603.335	1.487.267	1.514.634	1.600.237	1.481.973	1.441.968	1.264.923	1.010	1.010	
	Strom		281	196	492.000	505.341	528.685	490.050	470.830	519.616	540.158	520.429	502.251	511.137	507.905	619.814	604.637	597.735	574.709	565.713			
4	Standesamt Charlottenburg																						
	Fernwärme	1.653	41	35	147.585	108.268	95.354	119.740	102.798	100.117	103.809	100.193	111.622	106.902	83.607	82.220	91.797	92.041	91.135	89.373	52	52	
	Strom		17	12	30.000	29.190	28.503	28.001	37.000	35.000	35.000	37.000	38.000	40.000	41.000	41.500	42.500	42.500	42.500	43.000			
Fläche gesamt																							
Wärme gesamt			87.918	2.540	2.149	9.104.089	10.756.623	10.829.811	9.875.879	9.238.973	8.346.220	8.780.946	8.579.854	8.646.593	6.426.146	5.886.410	5.696.919	5.505.706	6.433.840	5.827.082	5.195.883	4.223	4.182
Strom gesamt				955	664	1.669.000	2.632.970	2.610.676	2.696.788	2.628.311	2.692.368	2.767.394	2.769.481	2.715.401	1.836.835	1.796.561	2.034.948	2.047.437	2.055.084	2.024.776	1.783.157		
Energie gesamt Dienstgebäude				3.495	2.813	10.773.089	13.389.593	13.440.487	12.572.667	11.867.284	11.038.588	11.548.340	11.349.335	11.361.994	8.262.981	7.682.971	7.731.867	7.553.143	8.488.924	7.851.858	6.979.040		

Schulen																						
5	Bayernallee 4/5 - Heinz-Berggruen-Gymnasium																					
	Fernwärme	8.693	296	250	1.060.355	958.989	992.987	982.747	935.443	787.572	634.840	611.586	557.296	588.379	485.889	495.556	552.477	620.382	551.675	493.328	250	250
	Strom		56	39	97.215	117.533	127.829	141.669	138.314	198.308	141.448	135.328	143.014	139.900	150.140	150.140	158.867	148.128	137.862	137.862		
6	Berkaerstr. 9-10 - Carl-Orff-Grundschule																					
	Fernwärme	6.575	189	160	676.206	632.154	629.787	550.925	450.028	433.883	438.320	420.249	401.787	496.057	387.538	354.602	397.406	422.362	410.094	351.723	230	230
	Strom		31	22	54.235	56.750	68.105	58.395	57.495	52.973	62.317	60.235	51.796	54.606	59.856	63.485	66.130	60.630	55.690	64.335		
7	Bleibtreustr. 43 - Joan-Miro-Grundschule																					
	Fernwärme	12.802	301	255	1.080.601	795.775	839.590	905.102	659.574	662.783	695.946	644.637	657.056	704.794	593.601	590.666	613.941	596.431	595.406	604.281	625	310
	Strom		49	34	85.000	74.078	98.724	84.999	86.548	82.723	77.104	91.002	78.239	89.140	87.123	83.692	70.250	82.700	97.533	128.250		
8	Knesebeckstr. 24 - Joan-Miro-Grundschule																					
	Fernwärme	5.319	210	178	754.162	648.502	698.997	628.199	424.414	413.189	538.137	457.494	515.537	488.113	487.022	461.253	490.254	495.172	476.904	420.357	290	290
	Strom		22	15	37.705	74.078	98.723	85.000	86.548	82.723	77.104	37.054	47.443	39.111	37.776	33.990	43.884	45.000	40.493	9.776		
9	Blissestr. 22 - Friedrich-Ebert-Oberschule																					
	Fernwärme	15.337	378	320	1.355.901	1.505.275	1.384.030	1.107.130	911.799	892.891	875.901	830.574	678.395	698.272	883.319	855.117	932.561	804.712	766.023	701.103	515	515
	Strom		126	88	220.000	214.000	235.000	236.000	244.000	250.000	238.867	233.737	220.550	236.172	179.979	195.549	206.062	144.880	128.100	145.500		
10	Brandenburgische Str. 8 - Comenius-Sonderschule und Sporthalle																					
	Fernwärme	8.165	548	464	1.964.960	1.233.909	1.234.329	1.098.012	847.871	865.572	908.112	942.572	848.479	917.098	792.330	777.155	829.990	806.056	722.953	707.960	522	511
	Strom		53	37	92.105	122.673	123.801	124.502	122.892	95.883	98.868	104.071	105.437	101.023	114.296	85.618	115.781	103.864	92.238	93.844		
11	Cauerstr. 39/38 - Ludwig-Cauer-Grundschule																					
	Fernwärme	9.572	295	250	1.058.573	562.885	798.347	804.348	682.012	706.383	702.679	635.241	562.020	568.716	534.073	499.054	528.239	510.503	494.358	380.703	226	211
	Strom		48	33	84.000	69.794	84.053	71.726	68.308	78.462	92.705	79.838	79.987	73.428	75.399	74.086	79.240	91.190	86.398	75.461		
12	Delbrückstr. 20A - Grunewald-Grundschule																					
	Gas	6.847	269	269	1.336.276	1.263.434	1.026.698	1.155.724	855.706	710.631	718.859	698.986	748.747	800.332	606.747	520.970	403.696	398.214	372.580	357.858		
	Strom		18	12	31.000	49.639	53.634	44.034	60.209	62.124	52.261	54.951	55.083	55.744	60.482	70.058	64.628	54.577	55.781	67.762		
13	Eisenbahnstr. 48 - Otto-von-Guericke-Schule																					
	Fernwärme	12.164	277	234	993.329	912.296	834.191	694.510	665.848	609.924	674.124	634.908	665.763	661.713	625.390	605.859	656.842	668.998	634.049	549.420	453	427

Darstellung der witterungsbereinigten Energieverbräuche und -Kosten

Ifd. Nr.		BGF m ²	CO ₂ CO ₂ neu Verbräuche			Norm-Jahresenergieverbrauch															2005 kW	2006 kW
			1995	1995	1995	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
			t/a	t/a	[kWh/a]	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a		
17	Strom		52	36	91.000	84.567	85.870	92.713	121.349	144.739	143.990	75.794	50.784	76.440	77.705	95.086	92.783	88.538	83.500	84.500		
	Goethestr. 8-9, Friedensburg-Oberschule																					
	Fernwärme	13.406	281	238	1.008.185	1.035.830	1.008.270	842.499	716.992	751.287	774.925	815.309	773.674	787.796	737.297	722.454	769.571	760.230	651.918	739.569	434	434
	Strom		136	95	238.000	455.759	428.596	276.990	239.690	241.145	239.041	217.126	232.381	239.696	223.232	211.084	227.465	241.410	247.638	245.204		
18	Garsteiner Str. 21-25, Goethe-Gymnasium + Sporthalle																					
	Fernwärme	11.922	318	269	1.140.629	985.108	924.775	785.293	715.917	691.786	870.813	837.582	849.237	824.840	683.722	616.937	639.103	653.424	590.762	458.294	459	459
	Strom		43	30	76.000	64.872	63.740	69.823	107.705	124.613	125.087	149.406	97.726	93.482	79.302	86.620	109.925	109.539	109.134	105.520		
19	Herbertstr. 2-6, Walther-Rathenau-Oberschule																					
	Gas	9.449	285	285	1.415.826	1.175.742	1.054.559	768.647	695.530	824.385	775.365	792.806	787.412	752.408	718.332	737.699	634.288	658.139	643.428	596.852		
	Strom		59	41	102.930	82.775	108.055	76.116	84.977	86.635	81.983	96.991	64.862	77.223	74.837	73.962	69.454	75.544	74.211	69.125		
20	Heerstr. 94-104; Charles-Dickens-Grundschule																					
	Gas	6.942	177	177	879.168	790.471	858.067	683.950	638.038	660.141	626.447	661.034	682.036	690.760	620.380	660.588	606.341	715.109	539.558	559.933		
	Strom		42	29	73.000	131.922	128.849	115.209	93.268	103.842	120.295	106.783	97.374	134.565	128.603	115.120	105.387	121.562	120.283	123.760		
21	Heckerdamm 221; Helmut-James-von-Moltke-Grundschule																					
	Fernwärme	6.675	218	184	780.815	569.980	578.804	604.184	638.904	574.347	510.098	681.213	701.784	632.229	666.179	573.313	532.883	557.932	535.091	510.766	335	215
	Strom		40	28	69.405	60.005	107.130	40.615	44.695	49.014	55.892	53.030	55.634	73.801	65.449	64.562	64.800	67.065	64.136	59.500		
22	Joachim-Friedrich-Str. 35, Halensee-Grundschule																					
	Fernwärme	11.546	303	256	1.086.422	1.006.964	908.659	765.317	693.272	684.820	706.842	692.479	714.892	722.013	637.050	613.335	611.486	681.701	614.260	580.701	382	382
	Strom		54	37	94.000	86.973	87.449	90.629	87.307	100.946	110.056	86.230	85.944	97.259	93.462	90.665	98.050	89.450	87.500	87.600		
23	Koblenzer Str. 22-24, Birger-Forell-Grundschule																					
	Fernwärme	9.343	265	224	950.003	879.232	833.438	665.973	610.939	586.211	623.365	636.501	647.185	656.772	602.300	516.577	542.689	578.563	590.747	564.026	355	355
	Strom		48	33	84.000	61.260	61.638	58.544	64.104	60.842	66.081	70.794	59.270	61.774	65.605	76.689	65.960	77.312	84.116	86.400		
24	Katstanienallee 12-13, Nelson-Mandela-Oberschule/ Reinhold-Otto-Grundschule																					
	Fernwärme	11.571	573	485	2.053.646	1.681.240	1.827.475	1.406.965	1.053.293	875.171	858.325	733.905	744.912	735.743	722.592	712.814	789.098	802.720	757.880	719.797	658	360
	Strom		87	60	152.000	170.012	203.619	171.898	167.907	191.168	182.471	183.936	117.957	151.046	149.062	155.315	167.400	168.700	163.711	161.450		
25	Kamminer Str.17, Elisabeth-Oberschule/ Gottfried-Keller-Grundschule																					
	Fernwärme	13.590	353	298	1.264.195	1.302.753	1.301.184	1.285.446	1.228.387	1.084.167	1.101.054	1.173.399	1.178.616	1.108.437	947.071	870.261	1.115.752	953.375	905.492	862.756	415	415
	Strom		75	52	131.000	154.794	143.541	142.951	227.419	188.025	194.790	201.201	201.544	180.430	196.704	196.019	196.273	177.356	167.463	163.220		
26	Kuno-Fischer-Str. 22-23, Peter-Ustinov-Realschule																					
	Fernwärme	15.349	209	176	747.685	690.076	684.233	728.416	691.481	720.861	906.512	913.463	811.632	873.727	898.375	784.673	818.730	802.592	798.323	733.592	305	284
	Strom		45	31	79.000	143.963	137.150	147.725	112.946	113.983	135.582	153.365	152.767	155.717	151.147	113.808	164.300	190.531	177.313	90.866		
27	Kranzer Str. 3, Marienburg-Oberschule																					
	Fernwärme	10.269	282	239	1.012.344	906.530	844.970	644.628	592.955	608.758	645.572	644.205	627.578	613.207	527.550	514.495	530.139	538.443	534.966	507.602	313	305
	Strom		38	26	65.873	79.764	92.598	79.562	89.160	89.155	81.192	88.871	88.259	88.847	92.447	89.744	87.250	82.900	86.400	95.650		
28	Lassenstr. 18-20, Hildegard-Wegscheider-Oberschule																					
	Gas	7.893	311	311	1.547.442	1.095.476	1.104.402	1.057.737	805.595	799.669	792.691	865.346	813.822	867.380	838.900	722.848	707.534	729.950	749.460	729.970		
	Strom		56	39	97.462	86.654	121.327	92.675	101.755	94.328	111.028	89.596	134.720	144.818	138.220	139.847	143.411	141.796	130.295	138.512		
29	Waldschulallee 31/ Maikäferpfad 30, Helen-Keller-Schule/Rheinfelder-Schule																					
	Gas	14.115	791	791	3.937.500	2.654.476	2.737.391	2.373.900	2.728.918	2.512.360	2.193.058	2.095.863	1.905.900	2.002.456	2.052.339	1.799.589	1.528.595	1.485.095	1.568.350	1.600.144		
	Strom		353	246	618.000	590.160	593.910	563.349	578.945	631.453	652.331	630.217	546.206	498.787	416.111	417.838	357.262	328.655	349.693	394.380		
30	Münstersche Str. 15-17, Katharina-Heinroth-Grundschule																					
	Fernwärme	12.112	322	272	1.153.665	1.174.384	1.178.828	960.562	786.493	755.880	748.945	742.761	768.581	816.568	678.357	695.386	700.372	725.656	407.648	699.466	440	440
	Strom		47	32	81.554	77.174	71.293	79.839	83.331	104.868	89.259	89.538	79.774	70.164	78.937	80.546	84.182	87.967	88.056	86.606		
31	Nehringstr. 9-10, Nehring-Grundschule																					
	Gas/FW	21767	621	621	3.089.288	2.458.515	2.450.248	2.592.368	2.111.181	1.816.280	2.279.697	2.329.272	2.072.070	1.948.373	1.480.163	1.403.763	1.487.385	1.449.596	1.413.727	1.346.786		
	Strom		241	168	421.000	423.442	439.378	429.007	420.677	416.229	433.822	414.364	398.777	400.388	376.947	351.309	352.037	355.742	352.087	372.322		
32	Nikolsburger Platz 5, Cäcilien-Grundschule																					
	Fernwärme	8.465	430	363	1.539.928	1.213.529	978.742	721.831	631.795	598.521	640.936	562.646	506.720	518.565	476.747	490.830	557.082	535.316	522.246	506.242	750	569
	Strom		39	27	68.627	1.379	1.657	1.497	1.501	74.850	103.644	81.855	95.581	80.497	81.874	83.640	87.400	78.600	68.250	57.600		
33	Nithackstr. 8, Eosander-Schinkel-Grundschule																					
	Fernwärme	14.230	298	252	1.067.572	1.279.555	1.051.907	894.945	784.982	837.593	861.021	759.094	781.050	785.564	751.911	714.422	743.194	757.719	745.314	696.493	357	357
	Strom		46	32	81.255	71.457	88.939	76.905	79.093	77.122	89.073	81.840	73.152	93.739	92.770	104.555	114.646	107.591	107.147			

Darstellung der witterungsbereinigten Energieverbräuche und -Kosten

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			t/a	t/a	[kWh/a]	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a		
39	Strom		38	27	66.910	374.010	304.110	309.525	213.426	335.933	358.229	352.712	374.101	349.112	325.317	330.111	340.467	328.402	285.694	292.323			
	Spandauerdamm 205, Dietrich-Bonhoeffer-Grundschule																						
	Fernwärme	6.437	177	150	634.689	538.507	611.916	533.197	412.326	396.329	376.727	388.770	352.699	337.368	307.378	264.348	277.418	282.793	274.783	274.320	255	215	
	Strom		15	11	26.434	42.750	50.695	55.450	50.025	57.514	59.510	54.351	50.972	50.058	53.435	53.310	54.750	53.350	57.644	52.050			
40	Schloßstr. 55 A; Oppenheim-Oberschule																						
	Fernwärme	16.500	480	406	1.718.884	1.287.660	1.232.711	1.164.616	1.081.442	1.039.055	1.001.149	1.151.962	1.120.224	1.091.753	845.804	981.205	966.112	1.016.011	1.037.195	1.067.605	484	469	
	Strom		231	161	403.885	254.875	258.407	264.618	262.496	269.819	245.372	252.748	248.209	305.739	340.539	324.268	301.062	318.359	296.203	310.369			
41	Schillerstr. 127, Schiller-Gymnasium																						
	Fernwärme	16.465	520	440	1.864.588	1.364.751	1.380.858	1.264.195	1.195.912	1.195.920	1.108.804	1.111.055	945.160	911.029	781.243	872.870	851.904	870.105	877.545	868.528	447	447	
	Strom		82	57	143.510	171.277	163.252	151.164	194.091	151.244	136.467	148.868	145.395	139.630	141.612	150.807	152.183	159.813	147.399	144.308			
42	Westendallee 45-46, Herder-Oberschule																						
	Gas	12.258	356	356	1.773.453	1.686.226	1.396.843	1.121.151	1.040.477	746.615	1.022.379	979.063	878.541	953.813	812.772	845.248	814.436	800.832	791.670	746.276			
	Strom		88	61	154.350	256.475	204.365	152.637	146.373	142.130	143.416	141.641	142.608	144.468	140.310	124.726	122.352	132.117	104.612	121.399			
43	Waldschulallee 29, Ernst-Adolf-Eschke-Sonderschule																						
	Gas	4.781	212	212	1.056.815	700.690	615.895	619.643	614.183	598.594	441.232	297.292	271.251	277.960	244.550	185.719	338.346	281.555	252.704	264.106			
	Strom																						
44	Weimarische Str. 21, Marie-Curie-Oberschule																						
	Fernwärme	13.054	422	357	1.510.970	1.002.458	999.656	765.760	710.749	773.964	801.260	856.310	642.356	688.101	601.261	539.745	597.567	550.971	587.717	600.855	602	574	
	Strom		74	51	129.126	120.424	121.003	108.496	131.050	99.250	107.481	107.588	93.812	110.173	104.095	95.620	96.881	106.045	114.478	100.482			
45	Witzlebenstr. 35, Lietzensee-Grundschule																						
	Fernwärme	7.829	187	158	669.493	555.075	589.090	507.459	419.966	437.206	480.600	442.359	531.097	515.400	395.951	368.930	460.787	403.969	406.028	382.921	257	257	
	Strom		34	24	60.070	54.640	74.420	64.860	65.840	68.517	55.198	54.846	55.758	55.481	70.720	65.805	64.650	64.750	60.750	59.700			
46	Sybelstr. 20/21; Paula Fürst (Pommern-Oberschule / Goerdeler-Grundschule)																						
	Fernwärme	18.510	423	358	1.516.112	1.519.394	1.616.098	1.543.001	1.331.779	1.250.081	1.269.384	1.286.177	1.303.342	1.349.018	1.227.965	1.028.256	1.167.296	1.178.622	1.096.757	930.305	490	490	
	Strom		117	82	204.963	247.743	251.453	246.398	329.151	224.764	209.701	242.567	220.547	251.284	246.386	252.573	257.999	258.380	268.954	259.166			
47	Sybelstr. 2; Sophie-Charlotte-Oberschule																						
	Fernwärme	13.074	280	237	1.003.986	1.206.976	762.852	732.044	590.507	620.036	610.329	597.267	617.293	561.737	490.855	465.397	481.657	468.167	441.004	446.516	470	470	
	Strom		87	61	152.084	129.752	117.453	106.989	153.558	108.355	100.317	104.142	103.500	101.147	97.843	109.978	110.999	110.927	109.306	130.888			
48	Waldschulallee 83-93,Wald-Grundschule																						
	Gas	2.719	162	162	805.076	299.130	283.939	216.971	226.623	272.724	257.698	242.491	209.811	156.130	172.035	80.505	85.646	86.183	90.950	81.595			
	Strom																						
49	Waldschulallee 95,Wald-Oberschule																						
	Gas	15.224	604	604	3.004.689	2.633.699	2.682.646	2.502.861	2.316.732	1.999.302	2.189.624	1.789.850	1.181.029	1.220.782	1.242.256	1.264.798	1.320.892	1.316.515	1.388.366	1.254.625			
	Strom		174	121	304.381	276.680	309.603	338.476	287.479	291.865	315.807	293.010	274.198	259.162	271.270	301.643	245.751	255.855	266.891	268.769			
50	Mierendorfplatz; Mierendorf Gs																						
	Fernwärme	14.810	742	628	2.659.979	1.820.728	1.831.046	1.815.549	1.922.831	1.810.798	1.692.756	1.740.064	1.663.547	1.704.867	1.841.527	1.561.310	1.752.946	1.852.046	1.792.582	1.741.249	762	762	
	Strom																						
Fläche gesamt			498.908	16.245	14.325	63.495.323	52.407.857	51.368.643	46.369.592	40.837.946	38.741.366	39.614.916	38.761.889	36.525.038	36.942.504	34.202.416	32.500.406	33.879.459	33.882.138	32.478.240	31.027.018	15.837	14.427
Wärme gesamt				3.501	2.436	6.119.968	6.357.225	6.493.266	5.989.357	6.172.678	6.321.324	6.266.548	6.242.709	5.942.034	6.023.924	5.950.578	6.002.683	6.060.241	6.111.226	5.927.684	5.878.529	0	0
Strom gesamt																							
Energie gesamt Schulen			498.908	19.746	16.761	69.615.291	58.765.082	57.861.909	52.358.949	47.010.624	45.062.690	45.881.464	45.004.598	42.467.072	42.966.428	40.152.993	38.503.089	39.939.700	39.993.364	38.405.924	36.905.547	15.837	14.427
Sonstige Einrichtungen																							
51	Hort Cunostr. 9																						
	Fernwärme	1.921	73	62	263.042	243.910	243.804	131.393	185.348	140.898	159.125	148.523	146.345	142.220	140.168	141.994	151.385				238	238	
	Strom		37	26	64.825	51.534	57.375	44.395	40.825	43.641	32.870	29.513	40.208	31.138	31.722	41.517	32.650						
52	Hort Wilhelmsau 116- Blissestift																						
	Fernwärme	4.039	156	132	559.522	494.667	506.570	434.603	360.550	327.932	322.537	302.097	297.523	306.217	289.300	280.964	298.564	293.370	298.457	318.258	208	208	
	Strom		25	18	44.000	49.747	47.501	32.000	34.639	34.893	47.634	56.258	88.411	59.083	54.269	54.565	51.679	48.419	46.515	53.089			
53	Hort Schwambzeile 6																						
	Fernwärme	1.075	18	15	63.217	198.590	152.667	137.907	127.656	133.775	137.979	140.150	134.803	138.883	124.837	121.499	120.880	132.553	128.084	123.805	181	146	
	Strom		6	4	9.800	35.822	12.901	22.097	20.336	20.024	24.528	23.508	24.465	27.345	18.549	18.263	29.006	30.282	31.688	35.259			
54	Mossestift - Rudolf-Mossestr. 9-11																						
	Fernwärme	6.766	340	288	1.219.904	720.034	676.499	614.477	562.611	596.898	645.880	636.565	616.494	641.855	641.845	586.435	585.320	571.918	539.923	530.824	277	277	
	Strom		56	39	97.711	65.820	51.519	51.400	59.600	60.900	67												

Darstellung der witterungsbereinigten Energieverbräuche und -Kosten

Ifd. Nr.	BGF	CO ₂ 1995 t/a	CO ₂ neu 1995 t/a	Verbräuche 1995 [kWh/a]	Norm-Jahresenergieverbrauch																2005 kWh/a	2006 kWh/a
					2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019			
					kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a	kWh/a		
60	Haus der Jugend - Zillestr.	1.901	61	52	218.397	275.432	219.968	206.875	189.678	194.910	187.632	192.563	204.607	192.644	149.932	168.296	188.126	166.735	178.294	167.035	125	125
	Fernwärme																					
	Strom																					
61	Volkshochschule - Pestlozzistr. 40	8.641	283	239	1.014.590	777.785	760.706	730.311	702.496	654.368	617.926	650.837	619.338	631.371	605.876	599.341	612.566	644.443	675.035	643.697	202	202
	Fernwärme																					
	Strom		97	68	170.000	118.535	130.955	124.715	189.937	131.033	110.024	120.736	111.699	112.403	96.149	104.201	113.237	108.798	100.515	97.365		
62	Musikschule - Platanenallee 16	2.426	85	85	424.788	404.111	348.710	340.986	301.421	286.977	256.489	238.927	224.465	240.201	228.012	220.261	241.836	233.887	228.703	252.519		
	Gas																					
	Strom		27	19	47.000	30.000	36.830	35.180	34.810	39.408	53.855	40.806	48.312	47.443	43.731	44.400	46.700	44.500	44.900	43.100		
63	Musikschule -Prinzregentenstr. 72	533	22	17	54.678	59.184	61.220	59.364	58.000	39.447	34.713	40.902	40.085	39.725	36.872	33.263	42.346	41.002	42.383	39.414		
	Gas																					
	Strom		5	4	9.000	8.122	8.122	9.635	10.719	8.898	8.897	8.287	7.215	6.502	6.004	5.806	3.873	4.894	5.374	5.667		
Fläche gesamt																						
Wärme gesamt		42.523	2.149	1.762	6.978.551	7.162.952	6.984.900	5.652.264	5.450.024	4.973.692	5.200.393	5.206.813	4.816.466	4.834.019	4.685.800	4.482.772	4.935.237	4.920.636	5.013.977	4.924.030	1.855	1.820
Strom gesamt			391	272	684.006	495.410	580.598	551.086	620.399	541.693	553.112	612.364	603.925	593.284	529.383	569.126	577.074	532.212	494.288	497.872		
Energie gesamt sonstige Einrichtungen			2.541	2.035	7.662.557	7.658.362	7.565.498	6.203.350	6.070.422	5.515.385	5.753.505	5.819.177	5.420.391	5.427.303	5.215.183	5.051.898	5.512.311	5.452.848	5.508.265	5.421.902	1.855	1.820
Sporteinrichtungen																						
64	Sporthalle Charlottenburg - Sömmeringstr.	6.397	226	191	810.365	558.855	563.521	514.585	667.242	640.433	608.457	658.428	670.785	614.424	581.700	455.494	527.440	485.565	500.687	520.109	485	422
	Fernwärme																					
	Strom		367	256	642.000	484.244	458.493	373.513	413.448	518.352	518.487	521.375	484.168	507.699	442.797	586.772	543.215	509.376	392.525	386.164		
65	Sportplatz Brahestr. 6-7	922	73	73	361.614	380.362	333.197	341.746	263.172	240.058	253.330	211.194	205.624	157.887	220.573	121.887	132.752	147.289	108.534	110.385		
	Gas																					
	Strom		23	16	40.300	33.695	45.227	40.646	37.687	46.624	46.683	46.643	26.364	42.436	40.876	35.926	48.161	47.978	57.014	55.631		
66	Sporthalle der Robert-Jungk-Oberschule	3.532	128	108	457.464	375.895	289.253	305.203	279.616	290.943	294.500	304.047	255.140	293.531	281.421	291.795	281.406	369.110	391.709	298.474	386	336
	Fernwärme																					
	Strom		0	0																		
67	Sporthalle der Herder Oberschule; Preußenallee	650	63	63	312.600	192.999	168.460	205.415	215.118	204.138	192.645	185.282	150.980	146.798	141.000	97.988	101.392	112.764	98.355	77.613		
	Gas																					
	Strom		9	6	16.000	20.531	22.899	22.414	18.759	31.760	29.081	30.316	17.255	21.259	20.754	20.872	14.479	12.762	9.749	12.167		
68	Sportplatz Kühler Weg 12	2.242	248	188	620.844	724.565	637.722	572.545	557.557	518.363	474.823	439.840	366.617	348.817	367.870	344.630	339.868	383.148	337.260	353.287		
	Gas																					
	Strom																					
69	Gretel-Bergmann-Sporthalle	3.027	165	140	592.670	362.794	364.424	443.824	332.334	351.522	372.897	432.002	348.557	358.785	308.216	354.616	354.727	344.225	290.310	320.851	281	281
	Fernwärme																					
	Strom		62	43	108.680	109.190	102.680	90.585	110.545	111.843	195.440	133.909	120.005	130.965	92.465	131.101	76.010	65.524	57.726	74.451		
70	Sportplatz Am Volkspark - Am Schoelerpark	687	90	68	225.355	108.590	163.710	180.000	186.624	174.645	166.257	180.855	167.801	104.395	114.837	98.526	118.766	127.722	81.339	82.437		
	Heizöl/ Gas																					
	Strom		14	10	23.900	28.943	27.634	36.309	41.450	36.199	33.848	34.411	40.251	37.126	24.298	34.327	37.605	31.465	26.834	37.616		
71	Momsenstadion	5.281	269	269	1.338.146	1.309.624	1.158.982	1.094.897	1.141.949	1.071.966	850.397	649.486	734.586	726.491	704.084	721.290	750.613	695.781	673.565	704.441		
	Gas																					
	Strom		106	74	185.952	197.036	233.155	123.560	150.296	196.664	180.044	230.320	207.071	190.493	161.078	262.737	259.411	158.049	157.436	197.862		
72	Sporthalle "Kurt Weiß", Franzensbaderstr. 16	2.078	66	66	329.840	389.445	339.681	316.402	305.746	272.697	274.231	253.219	237.914	177.963	198.797	170.720	94.729	144.097	189.329	162.078		
	Gas																					
	Strom		23	16	40.340	38.435	51.305	32.580	38.435	40.588	30.585	34.595	33.428	24.904	26.549	30.463	25.177	33.752	31.134	32.000		
73	Sporthalle Uhlandallee	2.178	261	220	933.940	722.868	781.272	247.681	600.440	694.860	776.437	737.556	774.169	703.680	706.676	724.015	714.896	703.470	733.602	757.441	650	650
	Fernwärme																					
	Strom		83	58	145.479	124.571	124.247	81.971	85.676	118.036	113.889	96.871	100.234	99.902	96.938	74.041	57.858	82.509	73.886	77.448		
74	Sporthalle Forckenbeckstr. 20 ab 2008	2.860	70	59	250.516	256.013	260.751	267.720	245.465	216.369	213.319	244.658	217.015	217.517	240.957	231.744	250.677	177.203	196.338	177.877	208	208
	Fernwärme																					
	Strom		51	36	90.000	90.000	90.000	90.000	90.000	90.000	89.651	121.400	115.772	104.395	114.235	121.202	111.808	122.111	145.488	133.835		
75	Eisstadion / Horst-Käßler-Sh. / Werner-Ruhemann-Sh. / Harald-Mellerowicz-Sporthalle	16.290	396	465	1.972.106	2.984.947	2.523.532	2.560.800	2.347.928	1.794.906	1.517.526	1.076.251	1.074.082	987.385	1.062.121	1.037.597	1.172.002	1.113.382	1.113.882	1.139.182	625	625
	Gas/ Fernwärme																					
	Strom		572	398	999.776	1.225.900	1.070.000	967.951	2.738.954	2.408.206	600.000	549.588	741.951	1.399.328	1.184.114	1.347.306	1.283.354	1.283.354	1.607.592	1.372.341		
Fläche gesamt																						
Wärme gesamt		46.144	2.055	1.911	8.205.461	8.366.957	7.584.507	7.050.816	7.143.191	6.470.900	5.994.820	5.372.817	5.203.271	4.837.673	4.928.251	4.650.302	4.839.268	4.803.756	4.714.909	4.704.175	1.152	1.039</

Darstellung der witterungsbereinigten Energieverbräuche und -Kosten

Biologischen Instituts der Freien Universität Berlin

1,06 (3575) LM
 1,09754 (3495) LM
 1,1 SenUVK
 1,12 SenUVK

Fernwärmeanschlussleistung													Energiekosten										
2007 kW	2008 kW	2009 kW	2010 kW	2011 kW	2012 kW	2013 kW	2014 kW	2015 kW	2016 kW	2017 kW	2018 kW	2019 kW	2005 €/Jahr	2006 €/Jahr	2007 €/Jahr	2008 €/Jahr	2009 €/Jahr	2010 €/Jahr	2011 €/Jahr	2012 €/Jahr	2013 €/Jahr	2014 €/Jahr	2015 €/Jahr
1.670	1.671	1.670	1.670	1.670	1.670	1.670	1.670	1.670	1.670	1.670	1.593	1.631	242.994 128.377	259.944 127.349	261.034 155.490	245.210 160.849	238.391 166.712	258.525 191.260	273.972 219.671	306.936 222.457	326.608 236.049	306.625 248.395	274.866 246.032
994	825	820	820	800	800								154.312 103.691	167.241 102.401	176.061 140.160	159.926 130.978	168.509 133.795	145.359 151.583	144.634 163.890	156.631 140.063			
268	244	225	225	225	225	225	225	225	225	160	160	160	33.517 7.385	33.965 6.910	38.225 7.024	27.571 6.693	35.328 6.749	37.937 6.142	32.348 7.387	34.545 8.048	37.699 8.502	38.427 9.086	46.319 10.071
950	920	530	680	610	610	610	610	610	610	610	547	530	130.724 58.117	140.228 61.472	129.019 70.472	107.577 70.573	114.412 76.571	106.605 87.487	107.547 93.104	116.579 88.817	125.850 100.392	121.129 107.134	114.707 116.667
52	52	52	52	52	52	45	45	45	45	45	45	45	6.928 3.282	6.851 3.256	8.869 3.814	7.938 5.039	8.532 4.767	7.974 4.767	8.554 5.039	9.711 7.600	9.619 8.000	8.572 9.020	7.938 9.130
3.934	3.712	3.297	3.447	3.357	3.357	2.550	2.550	2.550	2.550	2.485	2.345	2.366	568.475 300.852	608.230 301.388	613.207 376.960	548.222 374.132	565.172 388.594	556.399 441.239	567.055 489.091	624.401 466.985	499.776 352.943	474.754 373.635	443.829 381.900
													869.327	909.617	990.167	922.354	953.766	997.638	1.056.146	1.091.386	852.719	848.389	825.729
250	250	240	271	271	271	298	298	298	298	298	290	290	47.661 17.081	52.792 18.628	61.345 23.811	54.238 23.375	53.862 33.448	42.438 24.539	44.222 26.633	44.476 28.158	50.379 30.650	39.609 31.661	43.406 31.661
208	185	185	185	185	185	185	185	185	185	185	201	178	35.597 8.584	37.891 10.083	37.007 9.381	29.654 8.929	32.355 8.475	29.937 10.979	30.904 11.603	32.512 10.030	34.623 11.917	35.164 13.928	30.945 13.619
310	310	310	310	310	310	310	310	310	310	310	281	283	46.010 11.346	50.631 14.844	60.969 13.849	44.143 13.685	50.742 14.243	48.510 14.497	49.479 17.496	53.811 15.103	60.525 19.675	55.859 20.041	52.050 19.171
270	250	186	186	250	250	230	230	205	205	205	203	201	34.839 11.346	38.153 14.843	34.532 13.849	28.809 13.685	34.059 14.242	37.013 14.497	35.539 8.166	41.339 9.455	41.859 8.521	43.406 8.584	39.150 8.246
497	444	444	444	444	390	370	424	424	424	370	334	334	82.364 26.000	83.292 28.000	79.084 35.000	59.457 36.400	66.745 37.300	64.887 39.375	62.865 42.481	55.169 39.412	59.589 47.234	77.506 38.155	70.899 25.421
454	381	366	366	350	350	350	350	350	350	350	336	336	73.412 20687	77.257 19304	75.778 20.995	53.747 19.977	61.291 18.260	58.924 18.344	64.140 20.896	64.102 21.466	73.303 22.881	68.488 27.173	62.014 21.622
195	195	225	225	225	225	225	225	225	225	225	182	147	38.933 10.686	39.009 12.782	40.074 11.780	38.075 10.884	47.050 12.795	43.340 16.830	42.297 15.700	41.764 15.809	45.332 16.336	44.193 17.473	39.316 15.796
													51.542 6.351	48.883 8.389	56.090 7.482	57.498 9.974	53.702 10.606	35.793 9.661	39.746 11.036	43.116 11.133	45.662 12.767	35.750 14.327	26.865 15.570
404	308	350	360	360	360	340	340	340	340	340	328	327	57.132 13.568	57.583 13.148	56.037 11.278	39.516 11.484	46.549 11.775	47.158 10.859	49.237 14.903	53.503 16.604	56.270 18.867	56.097 18.861	51.340 18.249
321	281	281	282	265	265	265	265	265	265	265	253	253	48.740 10.611	55.456 9.713	55.067 11.625	43.172 11.771	45.764 12.071	43.956 10.048	47.872 17.900	53.899 22.662	55.210 20.283	50.557 23.153	48.070 21.388
595	595	595	595	595	595	595	595	574	574	574	493	499	85.295 22.902	94.038 26.587	101.078 26.129	83.042 27.955	91.110 25.320	89.070 21.932	98.906 21.810	97.483 32.952	99.961 34.372	92.263 35.786	87.181 34.348
330	297	297	297	288	288	265	194	244	244	244	176	176	44.350	50.827	50.046	43.276	45.171	39.629	43.544	50.293	51.612	45.674	47.043

Darstellung der witterungsbereinigten Energieverbräuche und -Kosten

Fernwärmeanschlussleistung													Energiekosten										
2007 kW	2008 kW	2009 kW	2010 kW	2011 kW	2012 kW	2013 kW	2014 kW	2015 kW	2016 kW	2017 kW	2018 kW	2019 kW	2005 €/Jahr	2006 €/Jahr	2007 €/Jahr	2008 €/Jahr	2009 €/Jahr	2010 €/Jahr	2011 €/Jahr	2012 €/Jahr	2013 €/Jahr	2014 €/Jahr	2015 €/Jahr
													11.018	11.885	15.317	19.885	24.098	25.247	14.628	9.138	16.764	17.721	20.333
370	359	359	359	359	359	359	359	359	360	359	348	348	61.257	64.128	61.021	47.560	55.000	51.941	57.611	64.920	65.186	64.087	59.139
													53.132	50.582	40.048	39.119	37.046	39.789	39.915	40.522	48.298	44.155	41.009
401	372	372	457	457	457	437	437	437	437	330	374	318	61.469	63.005	59.736	47.792	52.110	61.558	64.398	68.510	70.944	64.456	56.375
													7.533	8.013	11.021	17.357	20.349	21.397	28.684	19.506	20.584	18.144	17.542
													46.932	47.254	34.433	47.387	48.132	38.033	37.123	44.978	43.246	41.121	36.527
													12.357	16.261	12.185	13.187	13.889	14.513	18.689	12.611	16.964	17.121	15.980
													36.201	41.263	36.792	48.064	44.345	33.234	39.548	40.817	41.310	38.155	34.299
													20.961	19.249	19.395	15.407	17.528	21.583	22.308	17.074	30.482	30.428	25.691
215	215	215	215	215	215	215	215	195	195	195	180	180	34.979	35.358	41.707	40.277	41.829	39.315	46.430	52.288	51.561	54.970	44.809
													8.922	15.623	6.477	6.907	7.779	9.821	10.575	10.728	18.060	14.856	13.850
362	352	352	352	332	332	332	332	332	332	332	324	325	57.603	57.601	57.221	46.119	50.978	48.126	50.356	55.658	60.025	56.505	51.518
													12.968	12.871	14.446	13.464	15.909	19.305	16.557	16.581	21.223	21.226	19.318
326	295	295	295	280	285	280	280	280	280	280	262	262	51.544	53.123	49.031	40.145	43.917	42.352	45.751	50.039	54.252	52.400	43.943
													9.344	9.370	9.610	10.192	9.990	11.926	13.895	11.662	11.722	15.223	16.711
360	360	360	360	330	330	330	365	365	365	365	328	328	67.091	82.586	86.018	63.473	62.565	56.813	53.241	58.095	61.576	65.299	60.542
													25.312	29.691	27.273	25.852	30.212	32.070	35.353	22.770	35.453	33.847	33.183
415	415	415	415	388	388	388	388						70.278	75.037	85.553	72.685	74.715	70.091	77.495	85.046	86.923	78.349	68.779
													21.977	20.730	24.012	38.226	31.098	34.915	39.400	39.553	35.983	61.254	49.357
284	284	284	284	437	437	437	437	437	437	437	402	402	41.401	41.920	51.924	45.759	53.073	58.064	67.886	66.916	75.475	79.873	68.003
													21.448	20.234	23.460	17.427	18.075	23.813	29.453	19.538	33.970	34.805	36.860
288	280	280	280	260	260	260	260	260	260	260	244	244	49.526	50.493	47.009	38.853	44.749	43.128	45.522	48.299	50.772	46.260	43.159
													11.934	13.680	12.761	15.724	14.106	14.255	16.967	20.829	19.396	20.997	19.122
													44.213	49.486	48.908	48.825	46.396	38.012	46.879	45.340	47.953	45.899	35.678
													13.398	18.404	43.694	16.238	15.556	20.110	14.386	27.211	32.487	36.628	19.187
													107.827	122.628	113.589	161.127	143.030	115.567	113.286	112.004	118.176	123.505	90.437
													68.887	70.807	81.836	83.127	91.278	106.995	114.300	94.103	82.384	116.386	80.215
378	315	315	315	300	300	310	290	290	290	290	272	273	66.790	71.387	64.001	49.322	53.925	49.399	52.068	58.016	65.014	57.693	55.003
													11.588	10.557	13.258	13.559	16.585	15.694	17.232	15.398	17.660	17.958	18.428
							1.247	1.247	1.090	1.090	397	397	100.618	110.894	123.399	129.265	145.614	182.766	173.484	154.328	127.482	130.262	130.365
													49.151	51.592	62.453	61.983	62.494	71.369	75.211	71.170	79.519	73.618	67.496
385	200	200	200	200	200	200	200	200	200	200	198	198	69.516	50.926	47.570	38.398	41.683	40.713	38.744	39.042	42.628	41.332	39.545
													352	368	335	321	11.852	18.187	15.718	18.413	19.696	18.573	17.871
341	325	325	325	300	300	300	300	300	300	300	307	308	68.345	63.635	63.226	49.725	58.692	55.525	52.999	59.016	63.538	63.033	56.781
													10.564	12.996	12.213	12.187	12.214	15.637	15.715	14.122	20.510	21.070	22.380
279	279	275	279	279	279	299	279	279	279	279	243	243	39.879	43.570	50.366	44.626	47.304	39.681	44.752	43.466	48.065	55.976	50.553
													13.000	14.300	17.700	18.500	19.000	21.202	22.874	21.222	24.734	29.159	13.688
676	430	430	400	330	330	330	330	330	330	330	312	313	78.872	87.734	76.438	53.826	56.675	48.079	45.975	48.998	53.613	64.167	59.444
													16.187	16.374	17.560	14.666	18.054	18.663	26.524	20.054	19.166	22.018	26.763
438	415	415	415	416	416								62.965	65.302	55.338	43.206	47.849	43.229	49.529	54.352			
													17.054	16.632	16.794	17.605	22.085	24.047	24.118	25.003			
519	519	519	519	519	519	519	519	519	519	519	410	410	68.127	71.462	77.553	61.620	69.187	68.096	69.762	71.653	87.619	80.323	72.836
													33.928	27.006	31.775	34.785	36.928	35.803	40.589	40.618	45.345	45.154	43.191
300	310	310	310	310	300	290	290	290	290	290	249	249	50.833	48.322	55.497	52.327	62.047	51.031	53.149	56.465	58.158	56.890	52.495
249	249	249	249	262	262	262	262	262	262	262	256	256	37.716	38.858	45.017	35.905	36.318	35.156	38.846	41.425	45.072	60.573	53.440

Darstellung der witterungsbereinigten Energieverbräuche und -Kosten

Fernwärmeanschlussleistung													Energiekosten										
2007 kW	2008 kW	2009 kW	2010 kW	2011 kW	2012 kW	2013 kW	2014 kW	2015 kW	2016 kW	2017 kW	2018 kW	2019 kW	2005 €/Jahr	2006 €/Jahr	2007 €/Jahr	2008 €/Jahr	2009 €/Jahr	2010 €/Jahr	2011 €/Jahr	2012 €/Jahr	2013 €/Jahr	2014 €/Jahr	2015 €/Jahr
													42.970	35.460	43.984	31.093	48.686	58.176	61.286	64.372	68.083	62.233	61.919
215	215	215	215	190	190	180	180	180	180	180	166	166	31.481	36.048	37.715	28.908	31.128	27.538	30.332	29.824	30.424	30.014	25.413
													6.389	7.452	8.822	7.724	9.119	10.455	10.445	9.832	10.899	12.133	11.428
469	469	469	469	469	469	469	479	469	469	469	437	437	70.745	73.366	80.777	67.641	74.388	66.666	79.145	83.822	88.624	75.364	78.670
													30.382	31.117	39.273	39.357	41.192	40.989	46.256	44.494	61.067	66.235	61.772
447	447	447	447	425	425	425	425	425	460	460	414	414	72.688	78.461	84.754	72.598	82.801	71.615	75.791	72.451	75.309	69.660	70.639
													24.098	23.293	25.267	33.647	25.505	24.265	29.161	28.617	30.430	30.248	31.792
													66.138	61.098	49.978	65.911	45.782	48.117	52.660	48.631	52.492	44.822	42.268
													35.201	28.742	25.111	24.431	24.053	25.624	27.723	28.007	31.555	32.159	20.405
													30.259	30.223	30.824	39.370	36.403	22.277	18.121	18.174	18.622	17.272	9.636
574	321	321	321	321	321	315	315	315	315	315	297	297	69.713	73.709	56.698	53.521	55.694	52.780	60.113	51.585	57.745	54.345	47.183
													18.472	18.593	19.889	23.176	18.251	19.865	19.759	19.131	24.990	23.005	13.901
233	210	210	210	200	200	165	165	165	165	165	156	156	33.489	36.947	35.497	26.922	33.385	32.984	33.178	40.931	41.557	35.076	32.453
													8.135	10.898	10.309	10.150	10.848	9.699	10.540	10.752	12.077	16.046	14.082
475	460	460	460	440	440	425	425	443	443	443	422	422	80.351	89.651	63.932	79.208	85.846	80.218	85.423	94.316	104.038	98.036	80.664
													34.275	35.138	39.990	53.686	37.118	36.949	46.903	42.671	53.947	51.700	52.621
457	410	410	410	390	390	364	364	364	364	364	278	278	69.184	58.238	59.867	43.174	49.091	44.624	47.167	51.490	50.338	48.347	43.680
													19.272	17.813	18.429	26.492	18.764	18.153	21.646	20.606	22.706	21.007	23.392
													14.298	15.070	11.657	17.364	19.070	14.191	14.903	11.680	8.887	13.860	4.142
													105.472	121.212	113.328	144.866	153.862	102.570	102.242	85.050	67.977	68.252	62.568
													33.210	37.524	50.126	42.704	47.402	52.200	53.585	48.845	51.740	53.603	59.325
762	762	762	762	826	826	826	826	826	896	896	788	788	104.147	111.351	126.959	115.943	125.263	109.825	121.349	127.101	138.891	151.364	124.935
13.612	12.349	12.328	12.429	12.362	12.303	12.150	13.385	12.989	12.938	12.776	11.142	11.037	2.704.858	2.841.855	2.835.102	2.593.132	2.753.399	2.520.743	2.644.479	2.711.837	2.827.819	2.772.108	2.484.200
0	0	0	0	0	0	0	0	0	0	0	0	0	845.527	872.944	963.208	968.692	1.003.513	1.080.230	1.164.901	1.102.934	1.261.397	1.327.853	1.193.903
13.612	12.349	12.328	12.429	12.362	12.303	12.150	13.385	12.989	12.938	12.776	11.142	11.037	3.550.385	3.714.799	3.798.310	3.561.824	3.756.912	3.600.973	3.809.380	3.814.771	4.089.216	4.099.961	3.678.104
238	238	88	88	88	88	88	88	88	88	88			19.518	20.597	22.329	16.885	12.857	12.638	13.369	13.920	14.443	15.261	14.385
													7.193	8.674	7.228	6.314	7.066	6.900	6.507	8.043	7.661	8.137	9.987
208	208	208	208	208	208	208	208	208	208	208	151	151	28.756	31.134	31.705	29.678	27.326	24.618	25.940	27.172	29.338	297.454	27.455
													7.520	7.269	6.000	5.577	5.768	8.835	11.399	11.916	13.519	12.864	13.153
146	146	146	146	146	146	146	146	146	146	146	69	69	16.371	14.857	15.381	13.885	14.551	13.294	15.135	15.326	16.300	16.784	15.482
													6.291	2.372	4.207	3.776	3.807	5.013	5.192	5.423	6.732	4.637	4.395
277	277	277	277	277	277	277	277	277	277	277	269	269	41.046	42.104	44.220	38.776	44.139	43.059	45.778	48.262	53.318	54.871	48.056
													10.742	9.426	9.800	10.900	9.900	12.983	17.043	7.003	15.624	15.656	17.298
244	244	196	196	196	196	196	196	196	196	196	169	169	29.696	34.336	20.072	23.458	25.085	26.822	26.980	30.161	32.053	33.073	30.420
													4.695	6.642	5.391	6.284	5.490	4.097	5.468	7.762	3.985	3.164	3.674
289	289	214	214	214	214	214	214	214	214	214	149	149	29.247	31.901	32.441	29.305	28.529	26.305	27.533	28.494	29.404	30.954	28.792
													4.309	4.660	5.017	5.100	5.100	8.906	9.038	9.053	10.391	7.145	10.040
													107.701	124.760	103.371	139.970	115.761	76.455	94.507	79.089	78.609	76.817	67.549
													3.780	13.015	13.000	13.000	13.000	14.386	16.142	14.235	21.337	19.392	19.182
													12.166	9.823	5.989	21.022	17.595	17.617	14.863	13.077	12.915	12.705	9.656
													6.980	7.377	10.227	8.204	6.824	8.093	7.313	6.045	6.990	9.226	11.761
70	48	48	48	48	48	48	48	48	46	46	48	48	10.446	10.889	8.229	8.568	9.252	8.714	9.619	10.210	10.119	9.872	10.557
													3.048	3.737	3.800	4.060	3.574	2.948	3.148	3.167	3.666	3.596	2.999

Darstellung der witterungsbereinigten Energieverbräuche und -Kosten

Fernwärmeanschlussleistung													Energiekosten										
2007 kW	2008 kW	2009 kW	2010 kW	2011 kW	2012 kW	2013 kW	2014 kW	2015 kW	2016 kW	2017 kW	2018 kW	2019 kW	2005 €/Jahr	2006 €/Jahr	2007 €/Jahr	2008 €/Jahr	2009 €/Jahr	2010 €/Jahr	2011 €/Jahr	2012 €/Jahr	2013 €/Jahr	2014 €/Jahr	2015 €/Jahr
125	65	65	65	65	65	65	65	65	65	65	64	64	17.737	16.273	14.103	12.931	14.661	13.052	14.287	18.049	16.388	14.254	14.437
202	202	202	202	202	202	202	202	202	202	202	198	198	39.233 17.008	41.404 18.848	45.820 21.109	42.335 30.372	45.354 22.212	39.381 19.566	43.929 23.680	46.032 20.612	50.220 24.729	49.678 22.902	46.141 22.133
													17.842 4.517	18.284 5.436	17.942 5.618	22.658 5.391	19.910 6.265	14.259 9.464	14.824 7.848	12.550 9.320	13.360 10.331	12.531 9.935	11.122 9.535
													3.018 1.480	3.401 1.466	3.200 1.842	3.200 1.986	3.352 1.697	2.260 1.825	2.921 1.838	2.277 1.810	2.251 1.638	2.079 1.543	1.780 1.411
1.799	1.717	1.444	1.444	1.444	1.444	1.444	1.444	1.444	1.442	1.354	1.117	1.117	372.778 77.563	399.765 88.922	364.802 93.239	402.669 100.964	378.373 90.703	318.477 103.016	349.684 114.616	344.620 113.442	358.716 136.994	626.332 125.342	325.834 135.608
1.799	1.717	1.444	1.444	1.444	1.444	1.444	1.444	1.444	1.442	1.354	1.117	1.117	450.341	488.687	458.041	503.633	469.076	421.493	464.299	458.061	495.710	751.674	461.442
422	422	422	422	422	422	422	422	422	422	422	303	303	38.429 59.726	40.724 50.775	41.961 52.305	48.549 58.338	50.995 73.168	28.217 82.210	51.814 91.629	56.173 83.305	56.098 98.077	56.687 92.121	45.468 109.997
							113	113	113	113	113	17	18.059 5.020	17.605 6.843	14.041 6.482	20.125 5.832	17.290 7.403	13.964 8.207	13.041 8.967	11.462 5.813	8.979 9.244	14.642 9.288	14.413 7.735
286	286	286	286	286	286	286	286	286	286	286	133	133	29.635	24.228	27.218	25.603	27.396	24.944	28.319	26.790	30.717	31.902	30.444
													9.308 3.630	9.348 4.004	9.869 4.208	15.285 3.439	14.713 5.060	10.706 5.911	11.509 5.836	8.069 3.814	8.411 5.220	8.041 5.189	4.889 5.020
													28.005	27.726	23.484	33.532	32.075	23.738	25.317	22.931	21.954	23.135	17.627
281	231	231	231	231	231	207	207	207	207	207	165	165	21.591 14.116	22.565 13.343	26.015 14.339	23.152 17.241	27.546 19.511	26.336 30.816	31.673 24.639	29.170 21.909	31.060 26.647	29.008 19.894	29.923 25.456
													9.000 5.088	11.500 4.819	14.400 6.100	15.650 6.600	12.834 5.778	9.290 5.957	11.235 6.622	9.522 7.769	6.241 8.090	6.749 6.170	5.016 7.395
													46.711 26.982	45.560 8.380	41.885 19.889	52.344 24.737	62.384 31.337	40.644 30.291	35.980 42.873	41.418 38.255	41.099 39.024	39.590 35.824	35.796 32.475
													16.214 5.758	15.870 7.539	15.115 5.207	21.282 5.941	19.822 6.444	15.053 5.385	15.542 6.657	13.117 6.457	9.980 6.110	10.900 6.514	8.542 7.318
650	650	400	400	400	400	400	400	400	400	400	325	325	51.026 18.377	56.314 18.242	16.024 13.473	41.438 14.377	52.339 19.766	51.746 20.044	53.784 18.785	60.405 18.100	59.833 22.213	60.814 21.714	59.094 17.589
208	208	208	208	208	208	208	208	192	192	192	109	109	25.601 18.000	26.075 18.000	26.772 18.000	24.547 18.000	23.426 18.000	20.842 17.134	25.285 22.395	24.624 20.482	25.802 23.953	29.502 27.302	25.954 24.217
625	625	625	625	625	625	625	625	625	625	625	488	488	127.362 138.097	115.950 126.394	153.648 140.747	140.876 76.005	179.491 315.542	151.753 132.000	78.822 120.909	85.927 128.307	85.048 267.479	92.971 242.460	85.579 270.545
989	939	939	939	2.172	2.525	2.463	2.546	2.530	2.245	2.245	1.636	1.540	420.940 294.794	413.466 258.339	410.432 280.750	462.382 230.510	520.311 502.009	417.231 337.955	382.318 349.312	389.606 334.211	385.223 506.057	403.940 466.476	362.744 507.747
989	939	939	939	2.172	2.525	2.463	2.546	2.530	2.245	2.245	1.636	1.540	715.734	671.805	691.182	692.892	1.022.320	755.186	731.631	723.817	891.280	870.416	870.491
20.334	18.717	18.008	18.259	19.335	19.629	18.607	19.925	19.513	19.175	18.860	16.240	16.061	2.005 4.067.052 1.518.736	2.006 4.263.316 1.521.593	2.007 4.223.544 1.714.157	2.008 4.006.405 1.674.298	2.009 4.217.255 1.984.819	2.010 3.812.850 1.962.440	2.011 3.943.536 2.117.920	2.012 4.070.464 2.017.572	2.013 4.071.533 2.257.391	2.014 4.277.134 2.293.306	2.015 3.616.607 2.219.158
20.334	18.717	18.008	18.259	19.335	19.629	18.607	19.925	19.513	19.175	18.860	16.240	16.061	5.585.788	5.784.909	5.937.700	5.680.703	6.202.074	5.775.290	6.061.456	6.088.036	6.328.925	6.570.440	5.835.766

Einsparungen 2018-2019			
FW- Leistung	Energie- verbrauch	Energie- kosten	CO ₂ - Reduktion
-2,4%	10,5%	1,0%	10,5%
	17,2%	12,9%	17,2%
0,0%	-0,1%	-7,7%	-0,1%
	-5,0%	-8,3%	-5,0%
3,1%	12,3%	3,3%	12,3%
	1,6%	-13,3%	1,6%
0,0%	1,9%	-5,7%	1,9%
	-1,2%	-5,4%	-1,2%
Vergleich der Jahre 2018 mit 2019			
-0,9%	10,8%	0,8%	10,1%
	11,9%	4,8%	11,9%
-0,9%	11,1%	2,8%	10,8%
0,0%	10,6%	0,7%	10,6%
	0,0%	4,2%	0,0%
11,5%	14,2%	7,5%	14,2%
	-15,5%	-17,7%	-15,5%
-0,5%	-1,5%	-8,4%	-1,5%
	-31,5%	-30,4%	-31,5%
0,7%	11,9%	2,0%	11,9%
	75,9%	72,5%	75,9%
0,0%	8,5%	-0,8%	8,5%
	-13,6%	3,3%	-13,6%
0,0%	2,1%	-5,8%	2,1%
	-1,7%	-3,2%	-1,7%
19,2%	23,0%	16,1%	23,0%
	12,7%	5,1%	12,7%
	4,0%	4,3%	4,0%
	-21,5%	-22,5%	-21,5%
0,4%	13,3%	2,8%	13,3%
	18,4%	17,7%	18,4%
0,0%	6,1%	-2,9%	6,1%
	3,1%	2,4%	3,1%
-1,3%	11,0%	1,1%	11,0%
	41,3%	38,4%	41,3%
0,0%	8,3%	-1,0%	8,3%

Einsparungen 2018-2019			
FW- Leistung	Energie- verbrauch	Energie- kosten	CO ₂ - Reduktion
	-1,2%	-1,9%	-1,2%
0,0%	-13,4%	-16,9%	-13,4%
	1,0%	0,5%	1,0%
15,0%	22,4%	14,6%	22,4%
	3,3%	7,3%	3,3%
	7,2%	6,7%	7,2%
	6,9%	3,4%	6,9%
	-3,8%	-3,2%	-3,8%
	-2,9%	-2,8%	-2,9%
0,0%	4,5%	-4,1%	4,5%
	7,2%	7,2%	7,2%
-0,4%	5,5%	-3,1%	5,5%
	-0,1%	-0,9%	-0,1%
0,0%	4,5%	-3,8%	4,5%
	-2,7%	-5,2%	-2,7%
0,0%	5,0%	-3,5%	5,0%
	1,4%	0,8%	1,4%
	4,7%	-3,9%	4,7%
	2,5%	2,5%	2,5%
0,0%	8,1%	-1,1%	8,1%
	48,8%	45,4%	48,8%
0,0%	5,1%	-3,4%	5,1%
	-10,7%	-11,5%	-10,7%
	2,6%	2,8%	2,6%
	-6,3%	-13,6%	-6,3%
	-2,0%	1,3%	-2,0%
	-12,8%	-30,3%	-12,8%
-0,5%	-71,6%	-53,6%	-71,6%
	1,6%	-0,7%	1,6%
0,0%	4,7%	-4,0%	4,7%
	-5,7%	-22,5%	-5,7%
0,0%	3,1%	-5,1%	3,1%
	15,6%	11,0%	15,6%
-0,2%	6,6%	-2,4%	6,6%
	-3,4%	-8,8%	-3,4%
0,0%	7,4%	-1,7%	7,4%
	-7,3%	10,9%	-7,3%
-0,4%	5,7%	-3,1%	5,7%
	-5,8%	-19,5%	-5,8%
0,0%	3,9%	-4,4%	3,9%
	-3,3%	-19,3%	-3,3%
0,0%	5,5%	-3,1%	5,5%
0,0%	13,5%	3,3%	13,5%

Einsparungen 2018-2019			
FW- Leistung	Energie- verbrauch	Energie- kosten	CO ₂ - Reduktion
	-2,3%	-18,0%	-2,3%
0,0%	0,2%	-6,5%	0,2%
	9,7%	2,2%	9,7%
6,7%	-2,1%	-8,5%	-10,2%
	-4,8%	-22,1%	-4,8%
0,0%	1,0%	-6,5%	1,0%
	2,1%	-9,9%	2,1%
	5,7%	5,6%	5,7%
	-16,0%	-31,3%	-16,0%
	-4,5%	-4,2%	-4,5%
0,0%	-2,2%	-8,8%	-2,2%
	12,2%	-14,0%	12,2%
0,0%	5,7%	-3,0%	5,7%
	1,7%	-8,2%	1,7%
0,0%	15,2%	4,6%	15,2%
	3,6%	-8,9%	3,6%
0,0%	-1,3%	-7,5%	-1,3%
	-19,7%	-34,8%	-19,7%
	10,3%	9,6%	10,3%
	9,6%	9,4%	9,6%
	-0,7%	-16,1%	-0,7%
0,0%	2,9%	-5,2%	2,9%
Vergleich der Jahre 2018 mit 2019			
0,9%	4,5%	-2,4%	4,5%
	0,8%	-6,1%	0,8%
0,9%	3,9%	-3,7%	3,5%
0,0%	-6,6%	-11,9%	-6,6%
	-14,1%	-16,8%	-14,1%
0,0%	3,3%	-956,1%	3,3%
	-11,3%	-56,0%	-11,3%
0,0%	1,7%	-4,3%	1,7%
	-3,3%	-7,1%	-3,3%
0,0%	-8,7%	-14,6%	-8,7%
	13,3%	9,5%	13,3%
0,0%	9,6%	0,0%	9,6%
	14,2%	7,5%	14,2%
	3,4%	3,3%	3,4%
	-5,5%	-12,6%	-5,5%
	6,2%	6,3%	6,2%
	-8,3%	-20,0%	-8,3%
0,0%	5,4%	-3,2%	5,4%
	-14,3%	-17,7%	-14,3%

Einsparungen 2018-2019			
FW- Leistung	Energie- verbrauch	Energie- kosten	CO ₂ - Reduktion
1,6%	6,3%	-2,6%	6,3%
0,0%	4,6%	-4,1%	4,6%
	3,1%	-7,4%	3,1%
	-10,4%	-9,6%	-10,4%
	4,0%	-0,9%	4,0%
	7,0%	6,8%	7,0%
	-5,5%	-8,6%	-5,5%
Vergleich der Jahre 2018 mit 2019			
0,0%	1,8%	-6,5%	1,7%
	-0,7%	-9,0%	-1,8%
0,0%	1,6%	-7,1%	1,1%
0,0%	-3,9%	-9,3%	-3,9%
	1,6%	-15,1%	1,6%
84,9%	-1,7%	-10,5%	-1,7%
	2,4%	2,4%	2,4%
0,0%	23,8%	11,7%	23,8%
	21,1%	20,2%	21,1%
	-24,8%	-30,2%	-24,8%
	-4,8%	-4,2%	-4,8%
0,0%	-10,5%	-14,1%	-10,5%
	-29,0%	-46,3%	-29,0%
	-1,4%	-1,1%	-1,4%
	-40,2%	-45,6%	-40,2%
	-4,6%	-3,1%	-4,6%
	-25,7%	-38,6%	-25,7%
	14,4%	14,1%	14,4%
	-2,8%	-5,5%	-2,8%
0,0%	-3,2%	-9,8%	-3,2%
	-4,8%	-16,5%	-4,8%
0,0%	9,4%	-0,2%	9,4%
	8,0%	-5,5%	8,0%
0,0%	-2,3%	-9,6%	-2,3%
	14,6%	11,0%	14,6%
Vergleich der Jahre 2018 mit 2019			
5,9%	0,2%	-5,5%	0,2%
	7,0%	-2,1%	7,0%
5,9%	2,6%	-3,5%	3,8%
Vergleich der Jahre 2018 mit 2019			
1,1%	4,5%	-2,7%	4,6%
	4,2%	-3,3%	4,2%
1,1%	4,5%	-2,9%	4,5%