

Gemeinde Immenstaad am Bodensee
Bodenseekreis
Az: 794.09

Energiemanagement
Energiebilanz kommunaler Liegenschaften

Gas - Verbrauch

in kWh	2010	2011	Diff. 10-11		2012	Diff. 11-12		2013	Diff. 12-13		2014	Diff. 13-14		2015	Diff. 14-15		2016	Diff. 15-16		2017	Diff. 16-17		2018	Diff. 17-18		2019	Diff. 18-19	
Rathaus Immenstaad	305.218	254.272	-50.946	-16,69%	267.073	12.801	5,03%	258.657	-8.416	-3,15%	254.670	-3.987	-1,54%	256.404	1.734	0,68%	295.052	38.648	15,07%	259.922	-35.130	-11,91%	259.921	-1	0,00%	270.728	10.807	4,16%
Rathaus Kippenhausen	70.670	65.183	-5.487	-7,76%	66.325	1.142	1,75%	65.871	-454	-0,68%	64.180	-1.691	-2,57%	71.571	7.391	11,52%	65.982	-5.589	-7,81%	61.845	-4.137	-6,27%	79.175	17.330	28,02%	78.058	-1.117	-1,41%
Kindergarten Gehrenbergstr.	85.303	83.638	-1.665	-1,95%	57.456	-26.182	-31,30%	60.086	2.630	4,58%	51.142	-8.944	-14,89%	56.193	5.051	9,88%	58.933	2.740	4,88%	49.290	-9.643	-16,36%	49.289	-1	0,00%	54.825	5.536	11,23%
Kindergarten Seegaddel	125.586	73.395	-52.191	-41,56%	74.453	1.058	1,44%	82.572	8.119	10,90%	60.866	-21.706	-26,29%	76.740	15.874	26,08%	69.210	-7.530	-9,81%	60.577	-8.633	-12,47%	70.300	9.723	16,05%	70.300	0	0,00%
Kindergarten Strandbadstraße	84.675	62.141	-22.534	-26,61%	55.732	-6.409	-10,31%	55.634	-98	-0,18%	14.126	-41.508	-74,61%	35.693	21.567	152,68%	37.088	1.395	3,91%	27.367	-9.721	-26,21%	27.335	-32	-0,12%	29.673	2.338	8,55%
Kindergarten Kippenhausen	60.321	39.673	-20.648	-34,23%	40.596	923	2,33%	53.445	12.849	31,65%	48.699	-4.746	-8,88%	42.800	-5.899	-12,11%	49.344	6.544	15,29%	39.656	-9.688	-19,63%	39.656	0	0,00%	56.988	17.332	43,71%
Kindergarten Schulstraße	102.759	102.759	0	0,00%	62.306	-40.453	-39,37%	62.306	0	0,00%	70.619	8.313	13,34%	70.516	-103	-0,15%	72.502	1.986	2,82%	75.607	3.105	4,28%	63.728	-11.879	-15,71%	85.933	22.205	34,84%
Bauhof	166.807	128.053	-38.754	-23,23%	144.320	16.267	12,70%	184.801	40.481	28,05%	119.487	-65.314	-35,34%	155.811	36.324	30,40%	166.060	10.249	6,58%	141.169	-24.891	-14,99%	141.169	0	0,00%	149.831	8.662	6,14%
Feuerwehr	81.909	86.864	4.955	6,05%	81.741	-5.123	-5,90%	95.775	14.034	17,17%	76.464	-19.311	-20,16%	80.796	4.332	5,67%	84.246	3.450	4,27%	86.772	2.526	3,00%	82.964	-3.808	-4,39%	90.156	7.192	8,67%
Altenbergstraße 11	101.188	108.085	6.897	6,82%	102.951	-5.134	-4,75%	118.922	15.971	15,51%	99.030	-19.892	-16,73%	79.527	-19.503	-19,69%	78.186	-1.341	-1,69%	74.860	-3.326	-4,25%	70.909	-3.951	-5,28%	62.456	-8.453	-11,92%
Schule	717.857	703.000	-14.857	-2,07%	840.473	137.473	19,56%	680.281	-160.192	-19,06%	725.849	45.568	6,70%	882.188	156.339	21,54%	769.036	-113.152	-12,83%	636.729	-132.307	-17,20%	707.042	70.313	11,04%	605.587	-101.455	-14,35%
Linzgauhalle	186.667	186.667	0	0,00%	186.667	0	0,00%	186.667	0	0,00%	57.333	-129.334	-69,29%	57.333	0	0,00%	349.874	292.541	510,25%	316.383	-33.491	-9,57%	200.770	-115.613	-36,54%	244.764	43.994	21,91%
Gasthaus Montfort (ab 15.10.2014)											12.380	12.380		39.209	26.829	216,71%	44.562	5.353	13,65%	45.432	870	1,95%	45.136	-296	-0,65%	41.218	-3.918	-8,68%
Aquastaad	1.375.506	1.043.986	-331.520	-24,10%	1.474.673	430.687	41,25%	1.097.513	-377.160	-25,58%	1.205.744	108.231	9,86%	1.316.345	110.601	9,17%	1.430.311	113.966	8,66%	1.289.330	-140.981	-9,86%	1.284.073	-5.257	-0,41%	1.596.288	312.215	24,31%
Bürglen 13 (ab 27.04.2016)																	22.247	22.247		57.633	35.386	159,06%	47.821	-9.812	-17,02%	47.817	-4	-0,01%
Gesamt	3.464.466	2.937.716	-526.750	-15,20%	3.454.766	517.050	17,60%	3.002.530	-452.236	-13,09%	2.860.589	-141.941	-4,73%	3.221.126	360.537	12,60%	3.592.633	371.507	11,53%	3.222.572	-370.061	-10,30%	3.169.288	-53.284	-1,65%	3.484.622	315.334	9,95%

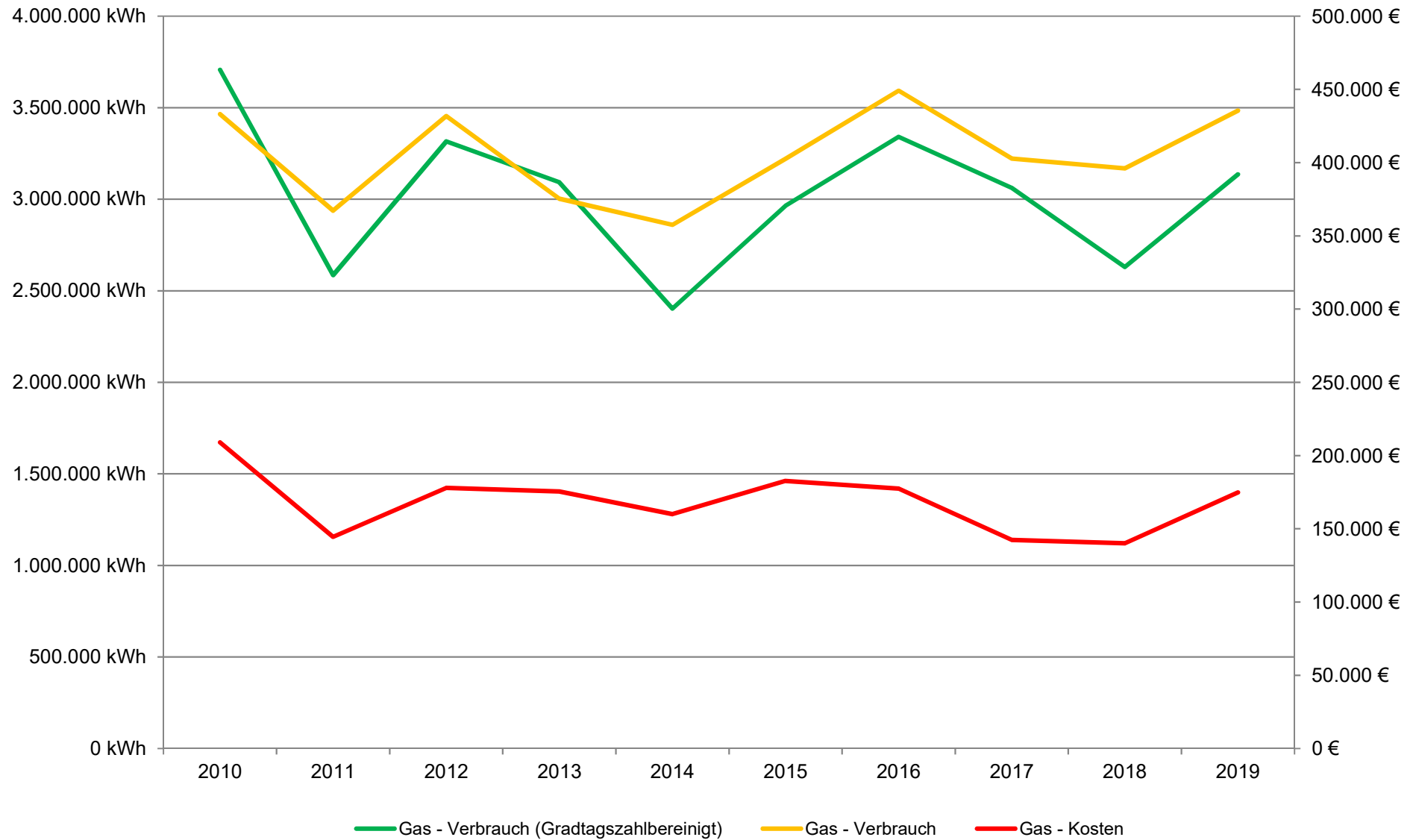
Gas - Verbrauch (Gradtagszahlbereinigt)

	2010	2011	Diff. 10-11		2012	Diff. 11-12		2013	Diff. 12-13		2014	Diff. 13-14		2015	Diff. 14-15		2016	Diff. 15-16		2017	Diff. 16-17		2018	Diff. 17-18		2019	Diff. 18-19	
Außentemperatur	- 0,5 Grad	+ 0,9 Grad			+ 0,5 Grad			- 0,1 Grad			+ 1,4 Grad			+ 1,2 Grad			+ 0,8 Grad			+ 0,8 Grad			+ 2,0 Grad			+ 1,3 Grad		
Gradtagszahl	1,07	0,88			0,96			1,03			0,84			0,92			0,93			0,95			0,83			0,9		
Rathaus Immenstaad	326.583,26	223.759,36	-102.824	-31,48%	256.390,08	32.631	14,58%	266.416,71	10.027	3,91%	213.922,80	-52.494	-19,70%	235.891,68	21.969	10,27%	274.398,36	38.507	16,32%	246.925,90	-27.472	-10,01%	215.734,43	-31.191	-12,63%	243.655,20	27.921	12,94%
Rathaus Kippenhausen	75.616,90	57.361,04	-18.256	-24,14%	63.672,00	6.311	11,00%	67.847,13	4.175	6,56%	53.911,20	-13.936	-20,54%	65.845,32	11.934	22,14%	61.363,26	-4.482	-6,81%	58.752,75	-2.611	-4,25%	65.715,25	6.963	11,85%	70.252,20	4.537	6,90%
Kindergarten Gehrenbergstr.	91.274,21	73.601,44	-17.673	-19,36%	55.157,76	-18.444	-25,06%	61.888,58	6.731	12,20%	42.959,28	-18.929	-30,59%	51.697,56	8.738	20,34%	54.807,69	3.110	6,02%	46.825,50	-7.982	-14,56%	40.909,87	-5.916	-12,63%	49.342,50	8.433	20,61%
Kindergarten Seegaddel	134.377,02	64.587,60	-69.789	-51,94%	71.474,88	6.887	10,66%	85.049,16	13.574	18,99%	51.127,44	-33.922	-39,88%	70.600,80	19.473	38,09%	64.365,30	-6.236	-8,83%	57.548,15	-6.817	-10,59%	58.349,00	801	1,39%	63.270,00	4.921	8,43%
Kindergarten Strandbadstraße	90.802,25	54.684,08	-35.918	-39,64%	53.502,72	-1.181	-2,16%	57.303,02	3.800	7,10%	11.865,84	-45.437	-79,29%	32.837,56	20.972	176,74%	34.491,84	1.654	5,04%	25.998,65	-8.493	-24,62%	22.688,05	-3.311	-12,73%	26.705,70	4.018	17,71%
Kindergarten Kippenhausen	64.543,47	34.912,24	-29.631	-45,91%	38.972,16	4.060	11,63%	55.048,35	16.076	41,25%	40.907,16	-14.141	-25,69%	39.376,00	-1.531	-3,74%	45.889,92	6.514	16,54%	37.673,20	-8.217	-17,91%	32.914,48	-4.759	-12,63%	51.289,20	18.375	55,83%
Kindergarten Schulstraße	109.952,13	90.427,92	-19.524	-17,76%	59.813,76	-30.614	-33,85%	64.175,18	4.361	7,29%	59.319,96	-4.855	-7,57%	64.874,72	5.555	9,36%	67.426,86	2.552	3,93%	71.826,65	4.400	6,53%	52.894,24	-18.932	-26,36%	77.339,70	24.445	46,22%
Bauhof	178.483,49	112.686,64	-65.797	-36,86%	138.547,20	25.861	22,95%	190.345,03	51.798	37,39%	100.369,08	-89.976	-47,27%	143.346,12	42.977	42,82%	154.435,80	11.090	7,74%	134.110,55	-20.325	-13,16%	117.170,27	-16.940	-12,63%	134.847,90	17.678	15,09%
Feuerwehr	87.642,63	76.440,32	-11.202	-12,78%	78.471,36	2.031	2,66%	98.648,25	20.177	25,71%	64.229,76	-34.418	-34,89%	74.332,32	10.103	15,73%	78.348,78	4.016	5,40%	82.433,40	4.085	5,21%	68.860,12	-13.573	-16,47%	81.140,40	12.280	17,83%
Altenbergstraße 11	108.271,16	95.114,80	-13.156	-12,15%	98.832,96	3.718	3,91%	122.489,66	23.657	23,94%	83.185,20	-39.304	-32,09%	73.164,84	-10.020	-12,05%	72.712,98	-452	-0,62%	71.117,00	-1.596	-2,19%	58.854,47	-12.263	-17,24%	56.210,40	-2.644	-4,49%
Schule	768.106,99	618.640,00	-149.467	-19,46%	806.854,08	188.214	30,42%	700.689,43	-106.165	-13,16%	609.713,16	-90.976	-12,98%	811.612,96	201.900	33,11%	715.203,48	-96.409	-11,88%	604.892,55	-110.311	-15,42%	586.844,86	-18.048	-2,98%	545.028,30	-41.817	-7,13%
Linzgauhalle	199.733,69	164.266,96	-35.467	-17,76%	179.200,32	14.933	9,09%	192.267,01	13.067	7,29%	48.159,72	-144.107	-74,95%	52.746,36	4.587	9,52%	325.382,82	272.636	516,88%	300.563,85	-24.819	-7,63%	166.639,10	-133.925	-44,56%	220.287,60	53.649	32,19%
Gasthaus Montfort (ab 15.10.2014)											10.399,20	10.399		36.072,28	25.673	246,88%	41.442,66	5.370	14,89%	43.160,40	1.718	4,14%	37.462,88	-5.698	-13,20%	37.096,20	-367	-0,98%
Aquastaad	1.471.791,42	918.707,68	-553.084	-37,58%	1.415.686,08	496.978	54,10%	1.130.438,39	-285.248	-20,15%	1.012.824,96	-117.613	-10,40%	1.211.037,40	198.212	19,57%	1.330.189,23	119.152	9,84%	1.224.863,50	-105.326	-7,92%	1.065.780,59	-159.083	-12,99%	1.436.659,20	370.879	34,80%
Bürglen 13																	20.689,71	20.690		54.751,35	34.062	164,63%	39.691,43	-15.060	-27,51%	43.035,30	3.344	8,42%
Gesamt	3.706.978,62	2.585.190,08	-1.121.789	-30,26%	3.316.575,36	731.385	28,29%	3.092.605,90	-223.969	-6,75%	2.402.894,76	-689.711	-22,30%	2.963.435,92	560.541	23,33%	3.341.148,69	377.713	12,75%	3.061.443,40	-279.705	-8,37%	2.630.509,04	-430.934	-14,08%	3.136.159,80	505.651	19,22%

Gas - Kosten

	2010	2011	Diff. 10-11		2012	Diff. 11-12		2013	Diff. 12-13		2014	Diff. 13-14		2015	Diff. 14-15		2016	Diff. 15-16		2017	Diff. 16-17		2018	Diff. 17-18		2019	Diff. 18-19	
Rathaus Immenstaad	17.187,11 €	13.336,34 €	-3.850,77 €	-22,40%	13.390,62 €	54,28 €	0,41%	14.700,12 €	1.309,50 €	9,78%	14.252,04 €	-448,08 €	-3,05%	14.216,47 €	-35,57 €	-0,25%	14.255,66 €	39,19 €	0,28%	11.166,58 €	-3.089,08 €	-21,67%	11.076,13 €	-90,45 €	-0,81%	13.457,98 €	2.381,85 €	21,50%
Rathaus Kippenhausen	4.919,57 €	3.337,49 €	-1.582,08 €	-32,16%	3.392,99 €	55,50 €	1,66%	3.829,18 €	436,19 €	12,86%	3.786,06 €	-43,12 €	-1,13%	4.151,92 €	365,86 €	9,66%	3.302,81 €	-849,11 €	-20,45%	2.705,74 €	-597,07 €	-18,08%	3.423,24 €	717,50 €	26,52%	3.930,18 €	506,94 €	14,81%
Kindergarten Gehrenbergstr.	5.909,35 €	4.248,72 €	-1.660,63 €	-28,10%	2.954,95 €	-1.293,77 €	-30,45%	3.505,23 €	550,28 €	18,62%	3.010,11 €	-495,12 €	-14,13%	3.314,53 €	304,42 €	10,11%	2.967,37 €	-347,16 €	-10,47%	2.172,96 €	-794,41 €	-26,77%	2.166,00 €	-6,96 €	-0,32%	2.787,37 €	621,37 €	28,69%
Kindergarten Seegadde	8.630,62 €	3.742,95 €	-4.887,67 €	-56,63%	3.794,17 €	51,22 €	1,37%	4.763,26 €	969,09 €	25,54%	3.603,99 €	-1.159,27 €	-24,34%	4.433,35 €	829,36 €	23,01%	3.456,43 €	-978,92 €	-22,04%	2.652,14 €	-804,29 €	-23,27%	3.262,70 €	610,56 €	23,02%	3.574,78 €	312,08 €	9,57%
Kindergarten Standpadstraße	5.869,47 €	3.195,71 €	-2.673,76 €	-45,55%	2.878,43 €	-317,28 €	-9,93%	3.264,18 €	385,75 €	13,40%	948,73 €	-2.315,45 €	-70,94%	2.129,15 €	1.180,42 €	124,22%	1.927,63 €	-201,52 €	-9,46%	1.658,63 €	-269,00 €	-13,95%	1.901,22 €	242,59 €	14,63%	1.538,80 €	-362,42 €	-19,06%
Kindergarten Kippenhausen	4.223,30 €	2.071,83 €	-2.151,47 €	-50,94%	2.117,52 €	45,69 €	2,21%	3.133,96 €	1.016,44 €	48,00%	2.874,56 €	-259,40 €	-8,28%	2.521,02 €	-353,54 €	-12,30%	2.511,01 €	-10,01 €	-0,40%	1.760,61 €	-750,40 €	-29,88%	1.756,09 €	-4,52 €	-0,26%	2.893,75 €	1.137,66 €	64,78%
Kindergarten Schulstraße	5.751,32 €	5.060,47 €	-690,85 €	-12,01%	3.106,95 €	-1.953,52 €	-38,60%	3.455,92 €	348,97 €	11,23%	4.194,87 €	738,95 €	21,38%	4.424,96 €	230,09 €	5,49%	3.754,36 €	-670,60 €	-15,15%	3.507,95 €	-246,41 €	-6,56%	2.957,67 €	-550,28 €	-15,69%	4.369,74 €	1.412,07 €	47,74%
Bauhof	11.412,73 €	6.449,93 €	-4.962,80 €	-43,48%	7.251,34 €	801,41 €	12,43%	10.489,06 €	3.237,72 €	44,65%	6.824,77 €	-3.664,29 €	-34,93%	8.738,96 €	1.914,19 €	28,05%	8.088,06 €	-650,90 €	-7,45%	6.073,88 €	-2.014,18 €	-24,90%	6.030,28 €	-43,60 €	-0,72%	7.460,65 €	1.430,37 €	23,72%
Feuerwehr (ab 29.09.06)	5.675,81 €	4.460,20 €	-1.215,61 €	-21,42%	4.206,22 €	-253,98 €	-5,69%	5.553,25 €	1.347,03 €	32,02%	4.460,98 €	-1.092,27 €	-19,67%	4.654,22 €	193,24 €	4,33%	4.224,17 €	-430,05 €	-9,24%	3.816,93 €	-407,24 €	-9,64%	3.634,56 €	-182,37 €	-4,78%	4.574,97 €	940,41 €	25,87%
Altenbergstraße 11	6.980,74 €	5.455,66 €	-1.525,08 €	-21,85%	5.200,98 €	-254,68 €	-4,67%	6.796,65 €	1.595,67 €	30,68%	5.700,81 €	-1.095,84 €	-16,12%	4.585,11 €	-1.115,70 €	-19,57%	3.883,55 €	-701,56 €	-15,30%	3.258,58 €	-624,97 €	-16,09%	3.075,63 €	-182,95 €	-5,61%	3.162,13 €	86,50 €	2,81%
Schule	40.185,91 €	35.358,83 €	-4.827,08 €	-12,01%	41.905,80 €	6.546,97 €	18,52%	37.762,40 €	-4.143,40 €	-9,89%	39.937,14 €	2.174,74 €	5,76%	50.652,62 €	12.025,48 €	30,11%	39.820,42 €	-12.142,20 €	-23,37%	59.540,21 €	-10.280,21 €	-25,82%	32.690,18 €	-26.850,03 €	-45,07%	31.499,97 €	-2.192,59 €	-6,81%
Linzgauhalle	10.448,22 €	9.193,19 €	-1.255,03 €	-12,01%	9.304,56 €	111,37 €	1,21%	10.362,61 €	1.058,05 €	11,37%	3.179,32 €	-7.183,29 €	-69,32%	3.395,69 €	216,37 €	6,81%	18.119,66 €	14.723,97 €	433,61%	14.681,71 €	-3.437,95 €	-18,97%	9.316,12 €	-5.365,59 €	-36,55%	12.448,24 €	3.132,12 €	33,62%
Gasthaus Montfort (ab 15.10.2014)											891,14 €	891,14 €		2.875,65 €	1.984,51 €	222,69%	2.514,32 €	-361,33 €	-12,57%	2.214,97 €	-299,35 €	-11,91%	2.200,12 €	-14,85 €	-0,68%	2.192,59 €	-7,53 €	-0,34%
Auqastraße	81.825,94 €	48.512,92 €	-33.313,02 €	-40,71%	78.475,50 €	29.962,58 €	61,76%	67.843,05 €	-10.632,45 €	-13,55%	66.279,33 €	-1.563,72 €	-2,30%	71.224,07 €	4.944,74 €	7,46%	67.093,15 €	-4.130,92 €	-6,08%	54.359,94 €	-12.733,21 €	-18,98%	54.187,98 €	-171,96 €	-0,32%	79.011,18 €	24.823,20 €	45,81%
Burglen 13 (ab 27.04.2016)																	1.496,12 €	1.496,12 €		2.862,53 €	1.366,41 €	91,33%	2.388,08 €	-474,45 €	-16,57%	2.592,46 €	204,38 €	8,56%
Gesamt	209.020,09	144.424,24	-64.596	-30,90%	177.980,03	33.556	23,23%	175.458,87	-2.521	-1,42%	159.943,85	-15.515	-8,84%	182.627,72	22.684	14,18%	177.414,72	-22.684	-12,78%	142.433,36	-34.981	-19,72%	140.066,00	-2.367	-1,69%	174.787,26	34.721	24,79%
Durchschnittspreis	0,0603 €	0,0492 €	-0,0112 €	-18,51%	0,0515 €	0,0024 €	4,79%	0,0584 €	0,0069 €	13,43%	0,0559 €	-0,0025 €	-4,32%	0,0567 €	0,0008 €	1,40%	0,0494 €	-0,0073 €	-12,90%	0,0442 €	-0,0052 €	-10,50%	0,0442 €	0,0000 €	0,00%	0,0502 €	0,0060 €	13,50%
Durchschnittspreis (Bereinigt)	0,0564 €	0,0559 €	-0,0005 €	-0,92%	0,0537 €	-0,0022 €	-3,94%	0,0567 €	0,0031 €	5,72%	0,0666 €	0,0098 €	17,32%	0,0616 €	-0,0049 €	-7,42%	0,0531 €	-0,0085 €	-13,84%	0,0465 €	-0,0066 €	-12,38%	0,0532 €	0,0007 €	1,45%	0,0557 €	0,0025 €	4,67%

Gas - Verbrauch und Kosten seit 2010



Gemeinde Immenstaad am Bodensee
Bodenseekreis
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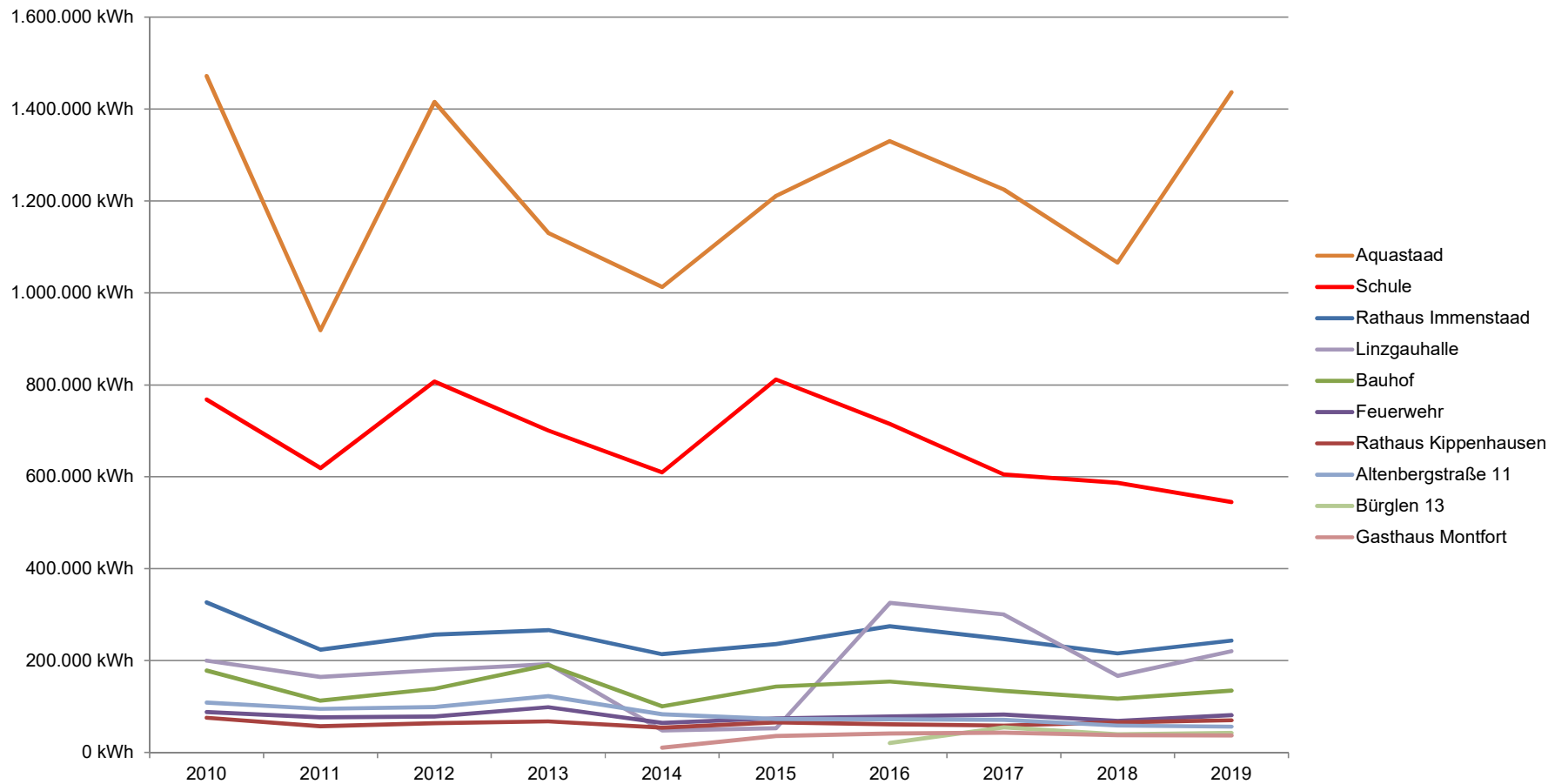
Energiemanagement

Gasverbräuche und Kosten

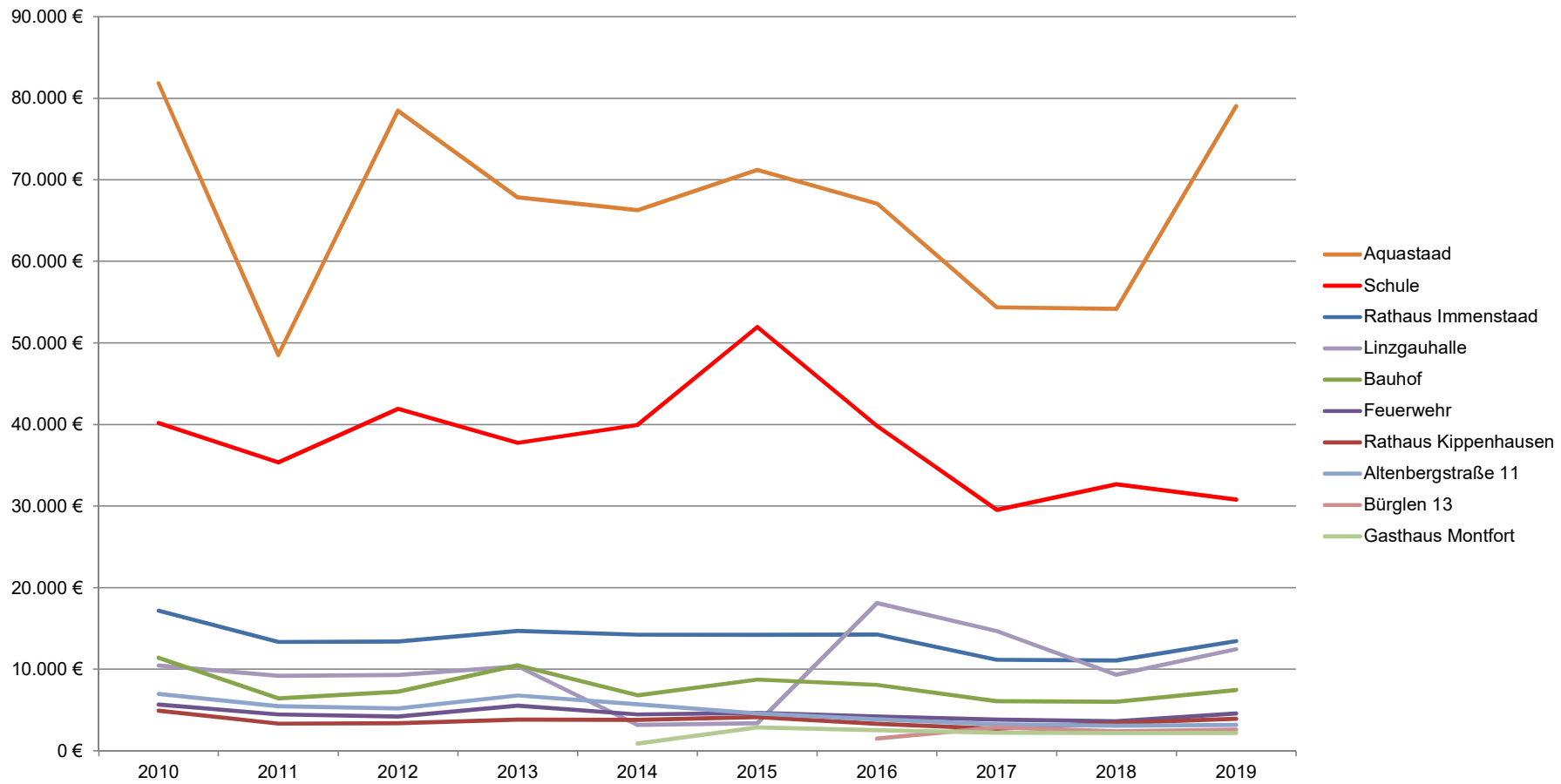
Verbrauch (bereinigt)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Schnitt
Rathaus Immenstaad	326.583,26	223.759,36	256.390,08	266.416,71	213.922,80	235.891,68	274.398,36	246.925,90	215.734,43	243.655,20	250.367,78
Rathaus Kippenhausen	75.616,90	57.361,04	63.672,00	67.847,13	53.911,20	65.845,32	61.363,26	58.752,75	65.715,25	70.252,20	64.033,71
Kiga Gehrenbergstr.	91.274,21	73.601,44	55.157,76	61.888,58	42.959,28	51.697,56	54.807,69	46.825,50	40.909,87	49.342,50	56.846,44
Kiga Seegaddel	134.377,02	64.587,60	71.474,88	85.049,16	51.127,44	70.600,80	64.365,30	57.548,15	58.349,00	63.270,00	72.074,94
Kiga Strandbadstraße	90.602,25	54.684,08	53.502,72	57.303,02	11.865,84	32.837,56	34.491,84	25.998,65	22.688,05	26.705,70	41.067,97
Kiga Kippenhausen	64.543,47	34.912,24	38.972,16	55.048,35	40.907,16	39.376,00	45.889,92	37.673,20	32.914,48	51.289,20	44.152,62
Kiga Schulstraße	109.952,13	90.427,92	59.813,76	64.175,18	59.319,96	64.874,72	67.426,86	71.826,65	52.894,24	77.339,70	71.805,11
Bauhof	178.483,49	112.686,64	138.547,20	190.345,03	100.369,08	143.346,12	154.435,80	134.110,55	117.170,27	134.847,90	140.434,21
Feuerwehr	87.642,63	76.440,32	78.471,36	98.648,25	64.229,76	74.332,32	78.348,78	82.433,40	68.860,12	81.140,40	79.054,73
Altenbergstraße 11	108.271,16	95.114,80	98.832,96	122.489,66	83.185,20	73.164,84	72.712,98	71.117,00	58.854,47	56.210,40	83.995,35
Schule	768.106,99	618.640,00	806.854,08	700.689,43	609.713,16	811.612,96	715.203,48	604.892,55	586.844,86	545.028,30	676.758,58
Linzgauhalle	199.733,69	164.266,96	179.200,32	192.267,01	48.159,72	52.746,36	325.382,82	300.563,85	166.639,10	220.287,60	184.924,74
Gasthaus Montfort					10.399,20	36.072,28	41.442,66	43.160,40	37.462,88	37.096,20	34.272,27
Aquastaad	1.471.791,42	918.707,68	1.415.686,08	1.130.438,39	1.012.824,96	1.211.037,40	1.330.189,23	1.224.863,50	1.065.780,59	1.436.659,20	1.221.797,85
Bürglen 13							20.689,71	54.751,35	39.691,43	43.035,30	39.541,95
	3.706.978,62	2.585.190,08	3.316.575,36	3.092.605,90	2.402.894,76	2.963.435,92	3.341.148,69	3.061.443,40	2.630.509,04	3.136.159,80	3.061.128,23

Kosten	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Schnitt
Rathaus Immenstaad	17.187,11 €	13.336,34 €	13.390,62 €	14.700,12 €	14.252,04 €	14.216,47 €	14.255,66 €	11.166,58 €	11.076,13 €	13.457,98 €	13.703,91 €
Rathaus Kippenhausen	4.919,57 €	3.337,49 €	3.392,99 €	3.829,18 €	3.786,06 €	4.151,92 €	3.302,81 €	2.705,74 €	3.423,24 €	3.930,18 €	3.677,92 €
Kiga Gehrenbergstr.	5.909,35 €	4.248,72 €	2.954,95 €	3.505,23 €	3.010,11 €	3.314,53 €	2.967,37 €	2.172,96 €	2.166,00 €	2.787,37 €	3.303,66 €
Kiga Seegaddel	8.630,62 €	3.742,95 €	3.794,17 €	4.763,26 €	3.603,99 €	4.433,35 €	3.456,43 €	2.652,14 €	3.262,70 €	3.574,78 €	4.191,44 €
Kiga Strandbadstraße	5.869,47 €	3.195,71 €	2.878,43 €	3.264,18 €	948,73 €	2.129,15 €	1.927,63 €	1.658,63 €	1.901,22 €	1.538,80 €	2.531,20 €
Kiga Kippenhausen	4.223,30 €	2.071,83 €	2.117,52 €	3.133,96 €	2.874,56 €	2.521,02 €	2.511,01 €	1.760,61 €	1.756,09 €	2.893,75 €	2.586,37 €
Kiga Schulstraße	5.751,32 €	5.060,47 €	3.106,95 €	3.455,92 €	4.194,87 €	4.424,96 €	3.754,36 €	3.507,95 €	2.957,67 €	4.369,74 €	4.058,42 €
Bauhof	11.412,73 €	6.449,93 €	7.251,34 €	10.489,06 €	6.824,77 €	8.738,96 €	8.088,06 €	6.073,88 €	6.030,28 €	7.460,65 €	7.881,97 €
Feuerwehr	5.675,81 €	4.460,20 €	4.206,22 €	5.553,25 €	4.460,98 €	4.654,22 €	4.224,17 €	3.816,93 €	3.634,56 €	4.574,97 €	4.526,13 €
Altenbergstraße 11	6.980,74 €	5.455,66 €	5.200,98 €	6.796,65 €	5.700,81 €	4.585,11 €	3.883,55 €	3.258,58 €	3.075,63 €	3.162,13 €	4.809,98 €
Schule	40.185,91 €	35.358,83 €	41.905,80 €	37.762,40 €	39.937,14 €	51.962,62 €	39.820,42 €	29.540,21 €	32.690,18 €	30.792,44 €	37.995,60 €
Linzgauhalle	10.448,22 €	9.193,19 €	9.304,56 €	10.362,61 €	3.179,32 €	3.395,69 €	18.119,66 €	14.681,71 €	9.316,12 €	12.448,24 €	10.044,93 €
Gasthaus Montfort					891,14 €	2.875,65 €	2.514,32 €	2.214,97 €	2.200,12 €	2.192,59 €	2.148,13 €
Aquastaad	81.825,94 €	48.512,92 €	78.475,50 €	67.843,05 €	66.279,33 €	71.224,07 €	67.093,15 €	54.359,94 €	54.187,98 €	79.011,18 €	66.881,31 €
Bürglen 13							1.496,12 €	2.862,53 €	2.388,08 €	2.592,46 €	2.334,80 €
	209.020,09 €	144.424,24 €	177.980,03 €	175.458,87 €	159.943,85 €	182.627,72 €	177.414,72 €	142.433,36 €	140.066,00 €	174.787,26 €	170.675,75 €

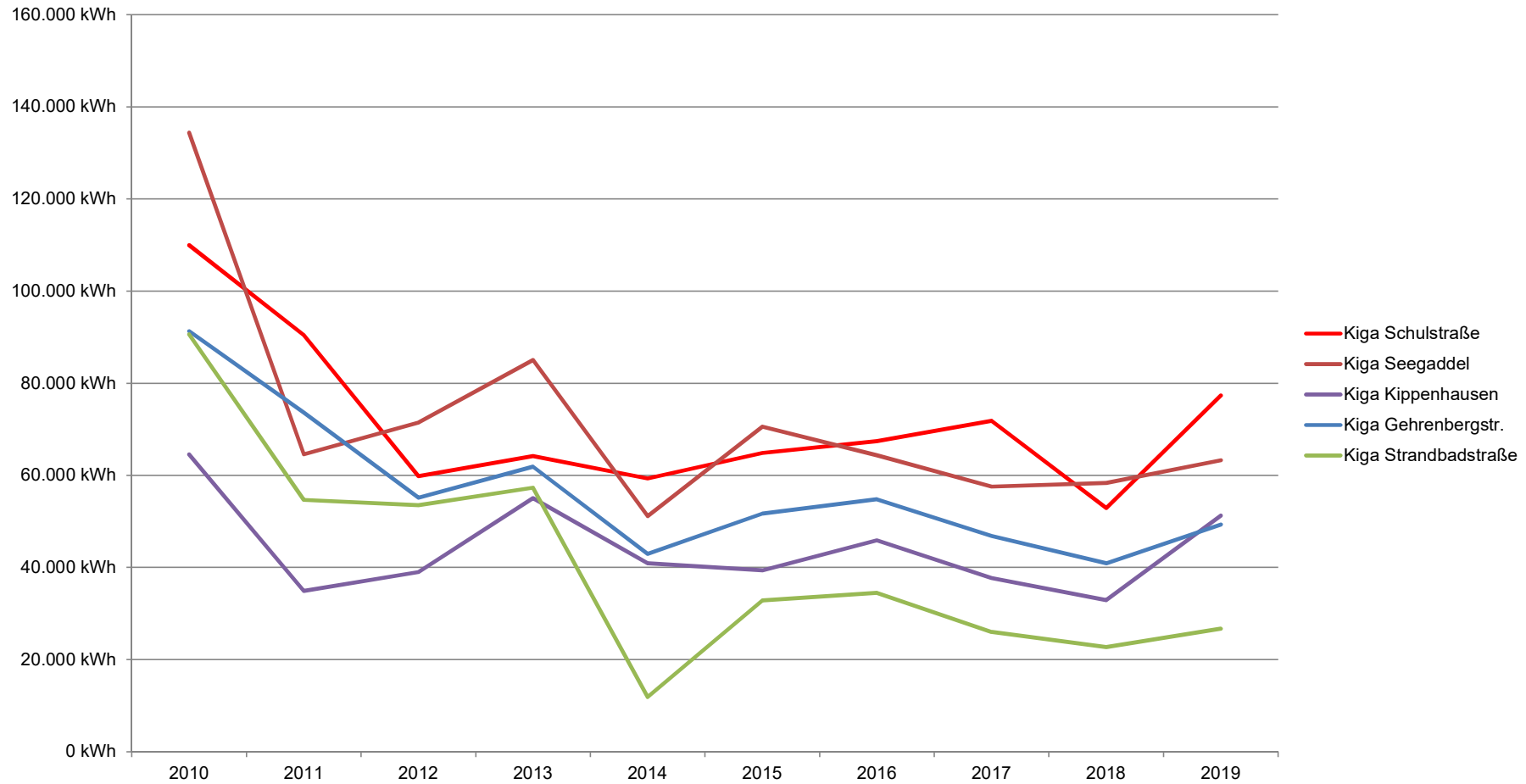
Gasverbrauch (ohne Kindergärten) - bereinigt



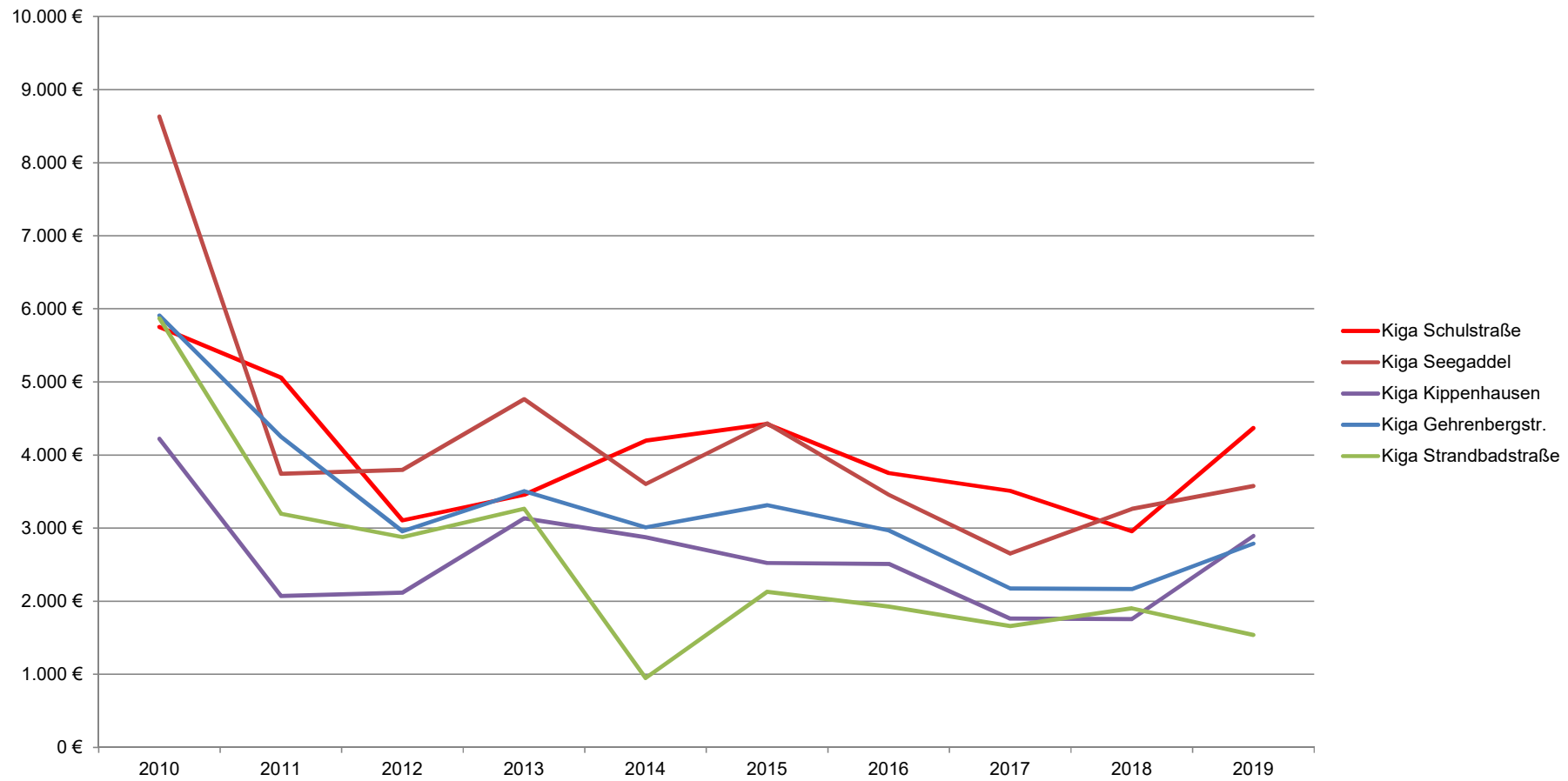
Gaskosten (ohne Kindergärten)



Gasverbrauch Kindergärten - bereinigt



Gaskosten Kindergärten



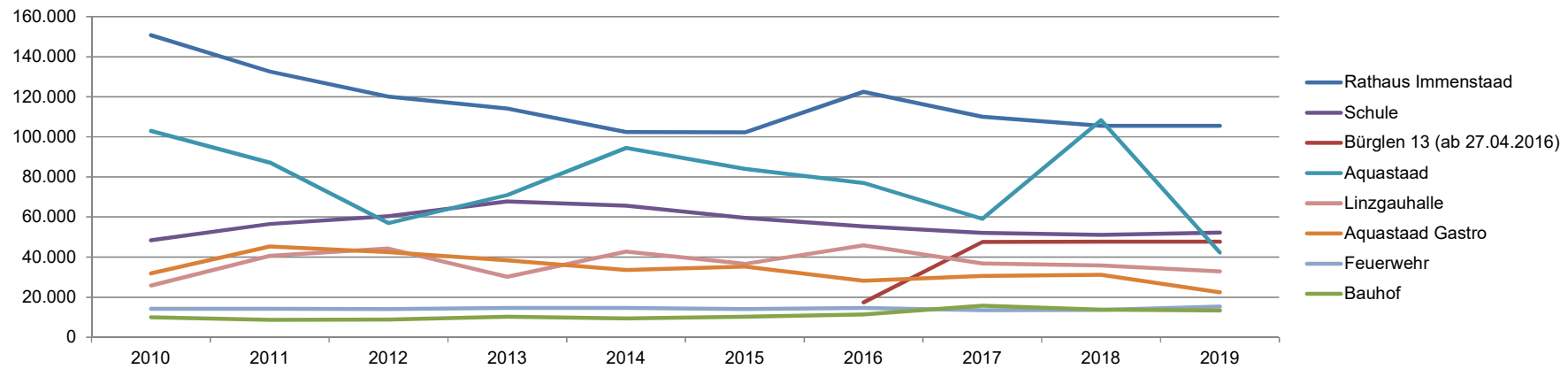
Energiemanagement
Stromverbräuche und Kosten

Stromverbrauch in kwh	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Schnitt
Sonderverträge											
Rathaus Immenstaad HT	111.703	100.005	91.463	86.314	79.713	78.454	96.110	88.693	84.743	83.902	90.110
Rathaus Immenstaad NT	39.021	32.569	28.530	27.742	22.695	23.739	26.385	21.327	20.799	21.574	26.438
Rathaus Immenstaad	150.724	132.574	119.993	114.056	102.408	102.193	122.495	110.020	105.542	105.476	116.548
Schule HT	64.535	80.936	86.654	89.765	98.518	109.315	119.299	112.303	118.782	118.121	99.823
Schule NT	19.670	26.189	27.985	28.091	29.827	38.250	33.297	29.254	26.902	24.722	28.419
Schule	48.376	56.525	60.393	67.751	65.623	59.498	55.287	52.132	50.988	52.207	56.878
Aquastaad BHKW HT	74.107	55.173	31.185	45.113	49.988	43.101	38.402	23.453	69.661	24.497	45.468
Aquastaad BHKW NT	28.872	32.011	25.756	25.809	44.517	40.857	38.627	35.664	38.655	17.764	32.853
Aquastaad	102.979	87.184	56.941	70.922	94.505	83.958	77.029	59.117	108.316	42.261	78.321
Aquastaad Gastro HT	25.856	37.600	35.335	32.240	27.905	16.645	275	18.880	25.130	17.785	23.765
Aquastaad Gastro NT	5.934	7.650	7.070	6.075	5.665	18.625	28.000	11.685	6.090	4.675	10.147
Aquastaad Gastro	31.790	45.250	42.405	38.315	33.570	35.270	28.275	30.565	31.220	22.460	33.912
Verbrauch Sonderverträge	333.869	321.533	279.732	291.044	296.106	280.918	283.086	251.834	296.066	222.404	285.659

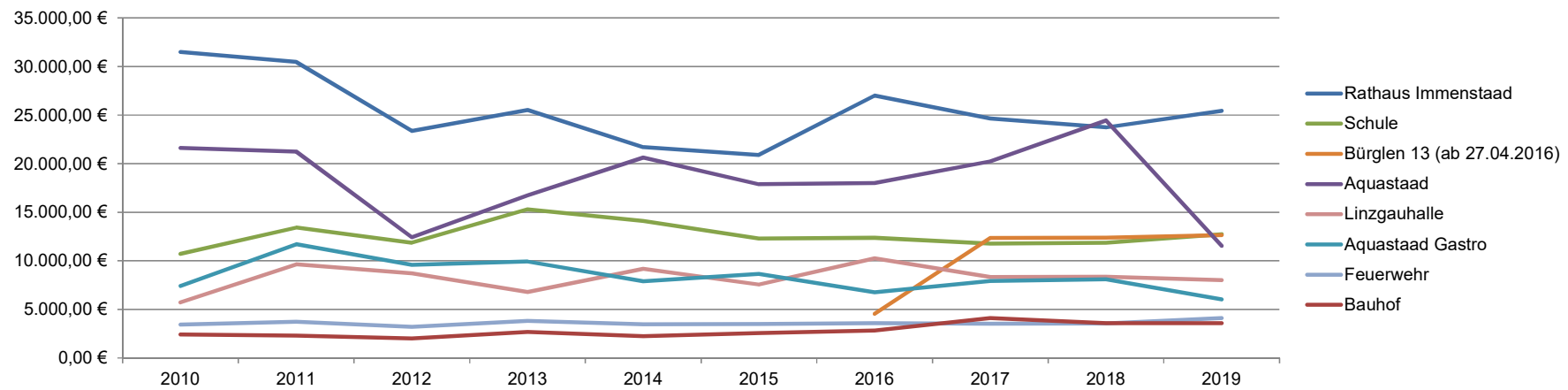
Tarif-Abnahmestellen	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Schnitt
Feuerwehr	14.220	14.244	14.029	14.715	14.644	14.008	14.530	13.524	13.585	15.342	14.284
Kiga Gehrenbergstr.	7.470	7.700	7.769	9.660	10.825	11.231	12.365	17.213	11.212	10.511	10.596
Kindergarten Seegaddel HT	8.854	8.945	9.131	10.031	10.148	11.530	11.099	11.142	13.276	12.126	10.628
Kindergarten Seegaddel NT	1.092	846	855	825	798	1.022	946	1.065	397		872
Kiga Seegaddel	9.946	9.791	9.986	10.856	10.946	12.552	12.045	12.207	13.673	12.126	11.413
Kindergarten Strandbadstraße HT	7.061	6.617	5.490	4.326	4.274	4.559	4.738	5.246	6.370	8.058	5.674
Kindergarten Strandbadstraße NT	1.073	839	818	1.002	1.072	1.001	947	954	1.027	1.127	986
Kiga Strandbadstraße	8.134	7.456	6.308	5.328	5.346	5.560	5.685	6.200	7.397	9.185	6.660
Kindergarten Kippenhausen HT	6.446	6.271	5.845	6.593	7.683	7.607	8.018	8.141	8.509	9.268	7.438
Kindergarten Kippenhausen NT	862	816	881	805	943	1.021	1.211	1.235	1.073	1.003	985
Kiga Kippenhausen	7.308	7.086	6.726	7.398	8.626	8.628	9.229	9.376	9.582	10.271	8.423
Kiga Schulstraße	10.000	10.000	10.000	20.000	20.000	51.488	51.488	52.603	49.799	45.600	32.098
Linzgauhalle	25.829	40.600	44.246	30.105	42.722	36.578	45.821	36.822	35.802	32.910	37.144
Friedhof Aussegnungshalle	6.793	5.970	5.640	5.767	3.599	3.959	3.361	4.788	5.505	4.866	5.025
Bauhof	9.952	8.722	8.797	10.243	9.393	10.243	11.391	15.781	13.683	13.360	11.156
Altenbergstraße 11	4.213	4.918	5.091	5.139	3.392	5.427	7.608	7.400	6.925	7.450	5.756
Altenbergstraße 11 - Garage Feuerwehr	1.978	2.365	2.452	3.544	2.265	2.278	2.132	1.549	1.156	1.196	2.092
Gasthaus Montfort	2.364	1.656	1.740	1.623	2.121	2.283	2.559	3.204	3.866	2.972	2.439
Rathaus Kippenhausen	2.808	3.059	2.874	2.736	2.851	2.831	2.756	3.251	2.809	2.840	2.882
Bürglen 13 (ab 27.04.2016)							17.390	47.495	47.750	47.580	40.054
Verbrauch Tarifabnahmestellen	111.015	123.567	125.657	127.114	136.730	167.066	198.360	231.413	222.744	216.209	165.988
Heizstrom (Bürgerhaus)											
Wohnung Ost	7.248	3.595	13.020	21.732	19.157	15.936	18.038	16.055	21.843	20.558	15.718
Familien- und Jugendtreff	41.033	32.465	54.057	38.887	51.708	45.312	59.098	62.397	48.520	39.549	47.303
Verbrauch Heizstrom	48.281	36.060	67.077	60.619	70.865	61.248	77.136	78.452	70.363	60.107	63.021
Stromverbrauch gesamt	493.165	481.161	472.465	478.777	503.701	509.232	558.582	561.699	589.173	498.720	514.668
Straßenbeleuchtung	272.394	232.387	265.426	232.410	245.547	243.842	249.341	235.584	226.052	227.576	243.056
Stromverbrauch gesamt mit Straßenbeleuchtung	765.559	713.548	737.891	711.187	749.248	753.074	807.923	797.283	815.225	726.296	757.723

Kosten	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Schnitt
Sonderverträge											
Rathaus Immenstaad	31.486,39 €	30.459,12 €	23.359,81 €	25.524,14 €	21.697,60 €	20.899,43 €	27.011,34 €	24.653,29 €	23.736,34 €	25.430,73 €	25.426 €
Schule	10.711,35 €	13.409,41 €	11.867,07 €	15.305,81 €	14.091,37 €	12.309,13 €	12.366,40 €	11.754,81 €	11.874,19 €	12.728,62 €	12.642 €
Aquastaad	21.616,97 €	21.244,30 €	12.430,65 €	16.740,44 €	20.627,66 €	17.877,53 €	18.009,64 €	20.224,01 €	24.443,36 €	11.542,26 €	18.476 €
Aquastaad Gastro	7.413,83 €	11.701,25 €	9.599,75 €	9.913,89 €	7.888,35 €	8.648,52 €	6.760,85 €	7.901,10 €	8.114,46 €	6.029,65 €	8.397 €
Kosten Sonderverträge	71.228,54 €	76.814,08 €	57.257,28 €	67.484,28 €	64.304,98 €	59.734,61 €	64.148,23 €	64.533,21 €	68.168,35 €	55.731,26 €	64.940 €
Tarifabnahmestellen											
Feuerwehr	3.435,35 €	3.727,07 €	3.196,32 €	3.821,19 €	3.447,78 €	3.486,58 €	3.583,58 €	3.525,92 €	3.552,34 €	4.102,32 €	3.587,85 €
Kiga Gehrenbergstr.	1.824,69 €	2.033,95 €	1.788,68 €	2.522,85 €	2.558,84 €	2.803,69 €	3.057,57 €	4.476,72 €	2.944,69 €	2.833,75 €	2.684,54 €
Kiga Seegaddel	2.419,69 €	2.584,41 €	2.296,58 €	2.839,71 €	2.597,78 €	3.138,38 €	2.971,83 €	3.198,51 €	3.329,32 €	2.956,51 €	2.833,27 €
Kiga Strandbadstraße	1.987,73 €	1.980,35 €	1.417,67 €	1.418,00 €	1.292,24 €	1.419,10 €	1.426,66 €	1.651,21 €	1.981,08 €	2.498,00 €	1.707,20 €
Kiga Kippenhausen	1.792,16 €	1.885,06 €	1.563,30 €	1.951,73 €	2.056,66 €	2.173,43 €	2.285,44 €	2.467,41 €	2.540,22 €	2.784,24 €	2.149,97 €
Kiga Schulstraße	2.214,04 €	2.372,31 €	1.965,13 €	4.517,95 €	4.294,91 €	10.652,69 €	11.517,40 €	11.874,62 €	11.598,71 €	11.117,98 €	7.212,57 €
Linzgauhalle	5.717,90 €	9.631,67 €	8.695,81 €	6.799,61 €	9.175,22 €	7.568,45 €	10.250,54 €	8.325,77 €	8.340,35 €	8.024,22 €	8.252,95 €
Aussegnungshalle	1.663,16 €	1.586,35 €	1.309,96 €	1.522,97 €	876,90 €	1.015,40 €	870,06 €	1.274,29 €	1.483,28 €	1.351,35 €	1.295,37 €
Bauhof	2.416,95 €	2.298,63 €	2.019,85 €	2.672,61 €	2.225,54 €	2.560,73 €	2.820,94 €	4.107,65 €	3.577,47 €	3.581,88 €	2.828,23 €
Altenbergstraße 11	1.050,02 €	1.317,58 €	1.189,42 €	1.365,92 €	1.238,63 €	1.426,48 €	1.946,45 €	1.995,97 €	1.930,88 €	2.114,30 €	1.557,57 €
Altenbergstraße 11 - Garage Feuerwehr	514,20 €	653,62 €	593,11 €	952,05 €	587,74 €	602,03 €	571,46 €	439,46 €	369,60 €	387,64 €	567,09 €
Gasthaus Montfort	648,50 €	511,91 €	539,72 €	500,46 €	594,97 €	645,09 €	728,68 €	906,24 €	1.137,11 €	927,58 €	714,03 €
Rathaus Kippenhausen	754,48 €	874,92 €	729,71 €	786,34 €	770,91 €	779,84 €	776,56 €	918,36 €	866,47 €	892,92 €	815,05 €
Bürglen 13 (ab 27.04.2016)							4.544,39 €	12.342,38 €	12.363,95 €	12.630,67 €	10.470,35 €
Kosten Tarifabnahmestellen	26.438,87 €	31.457,83 €	27.305,26 €	31.671,39 €	31.718,12 €	38.271,89 €	47.351,56 €	57.504,51 €	56.015,47 €	56.203,36 €	40.393,83 €
Heizstrom (Bürgerhaus)											
Wohnung Ost (Kosten)	1.328,67 €	729,59 €	2.270,91 €	4.726,00 €	4.289,52 €	3.684,56 €	4.625,34 €	4.204,28 €	5.438,87 €	5.492,94 €	3.679 €
Familien- und Jugendtreff (Kosten)	6.487,64 €	6.050,25 €	8.958,63 €	7.600,47 €	10.055,89 €	9.468,54 €	15.062,21 €	16.233,21 €	12.193,51 €	10.574,14 €	10.268 €
Kosten Heizstrom	7.816,31 €	6.779,84 €	11.229,54 €	12.326,47 €	14.345,41 €	13.153,10 €	19.687,55 €	20.437,49 €	17.632,38 €	16.067,08 €	13.948 €
Kosten gesamt	105.483,72 €	115.051,75 €	95.792,08 €	111.482,14 €	110.368,51 €	111.159,60 €	131.187,34 €	142.475,21 €	141.816,20 €	128.001,70 €	119.281,83 €
Straßenbeleuchtung	57.199,83 €	52.498,22 €	61.879,66 €	54.696,22 €	46.676,11 €	46.445,86 €	48.256,58 €	46.941,85 €	46.501,78 €	49.401,78 €	51.050 €
Kosten gesamt einschl. Straßenbel.	162.683,55 €	167.549,97 €	157.671,74 €	166.178,36 €	157.044,62 €	157.605,46 €	179.443,92 €	189.417,06 €	188.317,98 €	177.403,48 €	170.331,61 €

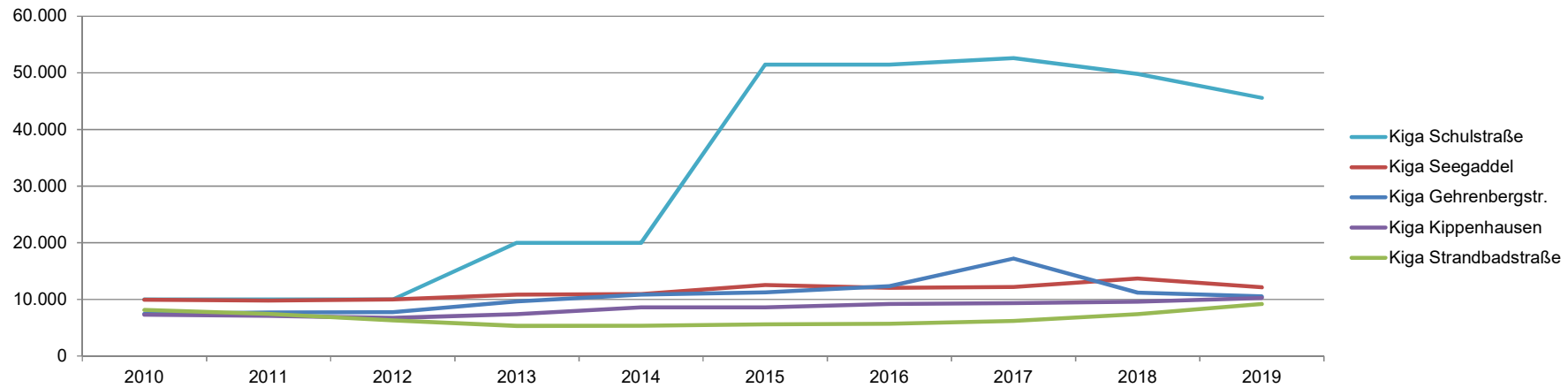
Stromverbrauch



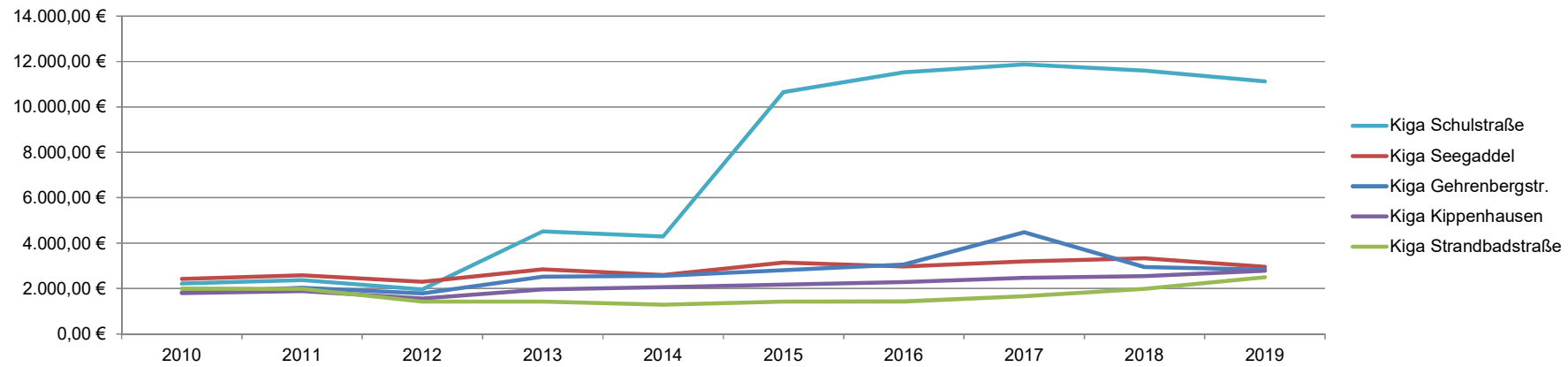
Stromkosten



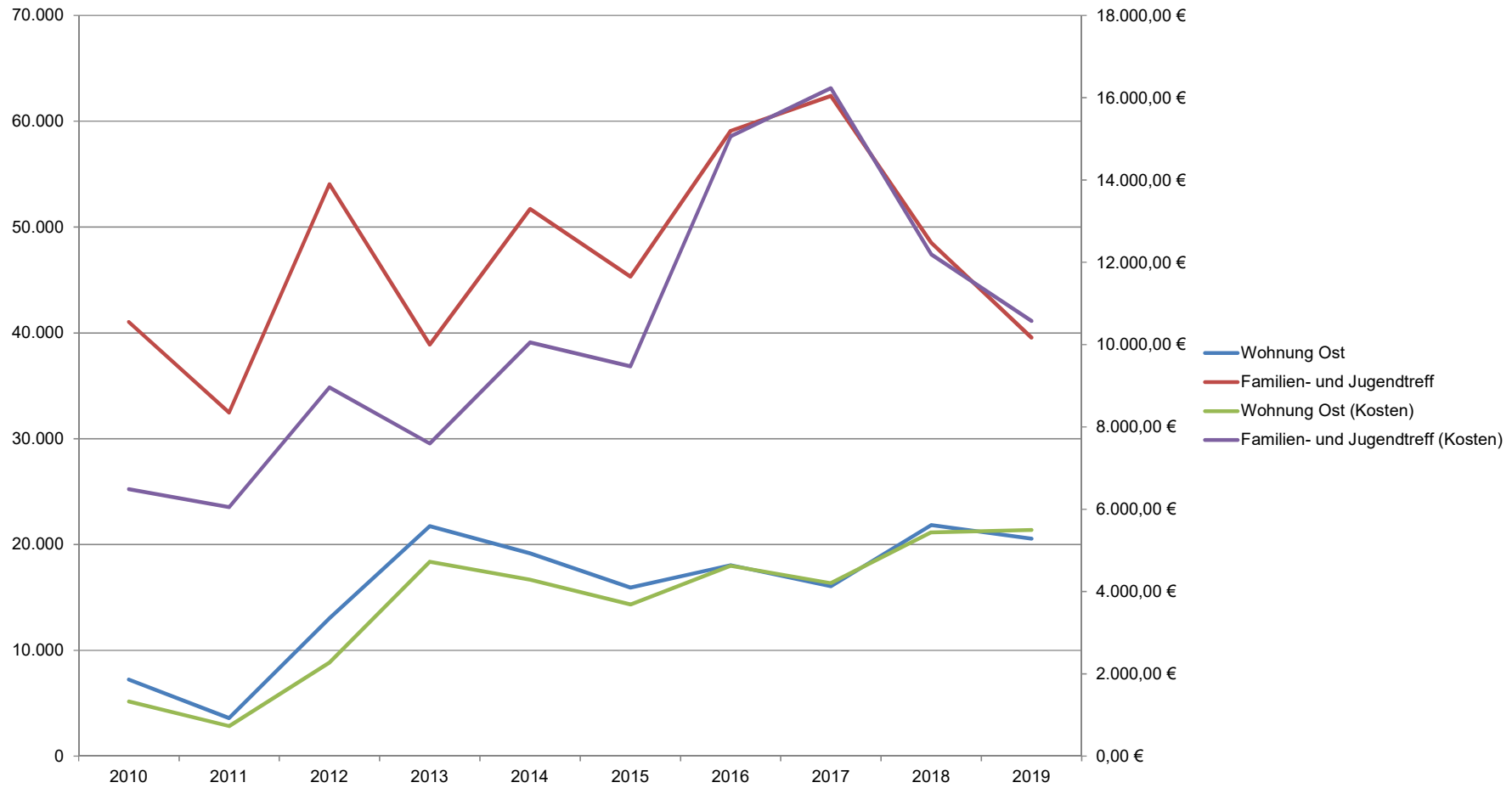
Stromverbrauch Kindergärten



Stromkosten Kindergärten



Heizstrom - Verbrauch und Kosten



Gemeinde Immenstaad am Bodensee
Bodenseekreis
Az: 794.09

Energiemanagement

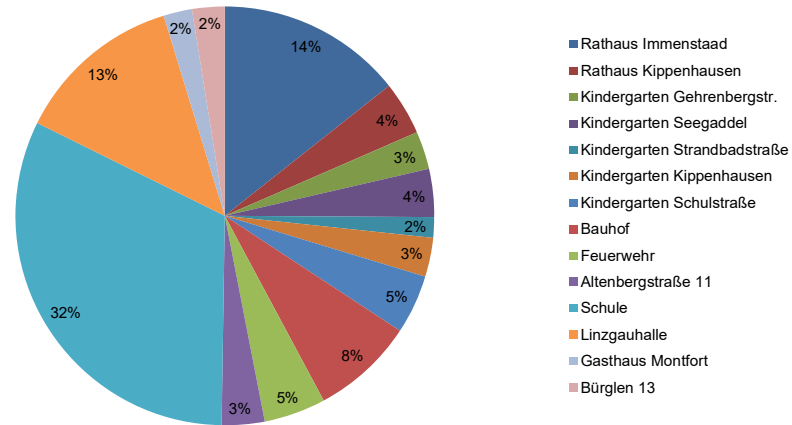
Energiebilanz kommunaler Liegenschaften - CO₂ Emissionen 2019

Gas	Verbrauch	Emissionsfaktor 0,250 kg/kWh
Rathaus Immenstaad	270.728	67.682 kg
Rathaus Kippenhausen	78.058	19.515 kg
Kindergarten Gehrenbergstr.	54.825	13.706 kg
Kindergarten Seegaddel	70.300	17.575 kg
Kindergarten Strandbadstraße	29.673	7.418 kg
Kindergarten Kippenhausen	56.988	14.247 kg
Kindergarten Schulstraße	85.933	21.483 kg
Bauhof	149.831	37.458 kg
Feuerwehr	90.156	22.539 kg
Altenbergstraße 11	62.456	15.614 kg
Schule	605.587	151.397 kg
Linzgauhalle	244.764	61.191 kg
Gasthaus Montfort	41.218	10.305 kg
Bürglen 13	47.817	11.954 kg
	1.888.334	472.084 kg
Aquastaad (wegen BHKW nicht wertbar)	1.596.288	399.072 kg
Gesamt	3.484.622	871.156 kg 871 t

Strom	Verbrauch	Emissionsfaktor 0,565 kg/kWh
Rathaus Immenstaad	105.476	59.594 kg
Kiga Gehrenbergstr.	10.511	5.939 kg
Kiga Seegaddel	12.126	6.851 kg
Kiga Strandbadstraße	9.185	5.190 kg
Kiga Kippenhausen	10.271	5.803 kg
Kiga Schulstraße	45.600	25.764 kg
Bauhof	13.360	7.548 kg
Schule	52.207	29.497 kg
Aquastaad	42.261	23.877 kg
Aquastaad Gastro	22.460	12.690 kg
Linzgauhalle	32.910	18.594 kg
Feuerwehr	15.342	8.668 kg
Bürglen 13	47.580	26.883 kg
Bürgerhaus Whg. Ost	20.558	11.615 kg
Bürgerhaus Familien- und Jugendtreff	39.549	22.345 kg
Straßenbeleuchtung	227.576	128.580 kg
Gesamt	706.972	399.439 kg 399 t

11,0 Tonnen Treibhausgase produziert jeder Einwohner Deutschlands
im Schnitt jährlich laut Umweltbundesamt

CO₂-Emissionen Gas



CO₂-Emissionen Strom

