

<b>Electrical energy usage analysis</b>		11.09.2015		
Users	power (Watt)	Energy/yr (kwh)	over all (%)	/complex (%)
<b>Chaplain's house</b>				
Freezer		287.20	1.38%	3.38%
Oil burner	150	417.88	2.01%	4.91%
Boiler temperature sustaining pump	60	361.87	1.74%	4.25%
Water circulation pump (hall circuit) 3x380, 0,19A, 1x230. 0.34A	80	482.50	2.32%	5.67%
Water circulation pump (Chapl. house circuit)	80	482.50	2.32%	5.67%
Kitchen , washing machine, tumbler, light, etc		592.35	2.85%	6.96%
Hot water boiler heating room	9000	5880.42	28.26%	69.14%
<b>Total Chaplain's house/yr</b>		<b>8504.71</b>	<b>40.88%</b>	<b>100.00%</b>
<b>Church</b>				
Lightning		384.00	1.85%	13.83%
Warm air exchanger	1083	1077.59	5.18%	38.82%
Water circulation pump (radiators)	60	59.70	0.29%	2.15%
Water circulation pump (church circuit)	60	59.70	0.29%	2.15%
Infrared heaters	1600	16.00	0.08%	0.58%
Rogers Classic Organ	230	289.00	1.39%	10.41%
Ahlborn Loudspeaker System (2)	100	125.65	0.60%	4.53%
Laptop	80	96.00	0.46%	3.46%
Digital Mixing Console	70	67.83	0.33%	2.44%
Wireless Mirophone, 3 senders, 1 receiver	10	9.69	0.05%	0.35%
DVD player/recorder	15	14.54	0.07%	0.52%
Graphical Equalizer	25	24.23	0.12%	0.87%
Beamer, Optima	260	251.94	1.21%	9.08%
El. Heater Hans Pfiffer		300.00	1.44%	10.81%
<b>Total Church/yr</b>		<b>2775.85</b>		<b>100.00%</b>

<b>Halls+kitchen</b>				
Lighting		1349.00	6.48%	20.05%
Stove/oven, Electrolux, oven	3500	105.00	0.50%	1.56%
Stove/oven, Electrolux, burner 14 cm	1500	22.50	0.11%	0.33%
Stove/oven, Electrolux, burner 14 cm	1500	12.00	0.06%	0.18%
Stove/oven, Electrolux, burner 18 cm	2000	12.00	0.06%	0.18%
Stove/oven, Electrolux, burner 22 cm	2000	8.00	0.04%	0.12%
Oven, Electrolux	3500	49.00	0.24%	0.73%
Ventilator, Miele	215	5.38	0.03%	0.08%
Microwave, Electrolux	1300	6.50	0.03%	0.10%
Hot water boiler Garage	6600	3222.38	15.49%	47.90%
Freezer Garage		242.00	1.16%	3.60%
Refrigerator/Freezer, Miele		307.00	1.48%	4.56%
Dishwasher, Miele	500	66.00	0.32%	0.98%
Coffee machines, Hapag, Animo Aromatic (2)	800	92.80	0.45%	1.38%
Stove/Oven, Bauknecht, oven	3500	35.00	0.17%	0.52%
Stove/Oven, Bauknecht, burner 14 cm	1500	7.50	0.04%	0.11%
Stove/Oven, Bauknecht, burner 18 cm	2000	10.00	0.05%	0.15%
Stove/Oven, Bauknecht, burner 22 cm	2000	0.00	0.00%	0.00%
Ventilator, Miele	215	1.08	0.01%	0.02%
Refrigerator, Miele		310.00	1.49%	4.61%
Vaccum cleaner	1400	364.00	1.75%	5.41%
Various (el. Heater Hans, gardening, etc)		500.00	2.40%	7.43%
<b>Total halls + kitchen/yr</b>		<b>6727.13</b>		<b>100.00%</b>
<b>Office</b>				
Lighting		208.00	1.00%	7.44%
Desktop PC	100	83.20	0.40%	2.97%
Graphax printer/copy/scanner	2100	2261.70	10.87%	80.86%
Telephone exchange		244.12	1.17%	8.73%
<b>Total office/yr.</b>		<b>2797.02</b>		<b>100.00%</b>
<b>Total church/halls/kitchen/office/yr.</b>		<b>12300.00</b>	<b>59.12%</b>	
<b>Total overall consumption/yr.</b>		<b>20804.71</b>	100.00%	