







08.03.05					NACHHALTIG wirtschaften			
Energy consu	Imption of	an averag	je househ	old				
Energy use in household	Energy consumption of an average household (kWh)		Energy consumption of a modern household (kWh)					
	total	electrical	total	electrical				
Kitchen stove	1.000	1.000	500	500				
Baking oven	78	78	39	39				
Washing machine	378	378	189	189				
Dryer	528	528	264	264				
Dish washer	456	456	228	228				
Refrigerator	333	333	167	167				
Freezer	356	356	178	178				
Small electrical equipment	170	170	170	170				
TV / HiFi-System	250	250	250	250				
PC	70	70	70	70				
Lighting	500	500	100	100				
Warm water	2.373	2.373	2.373	0				
Heating	14.000	0	6.000	0				
Total	20.491	6.491	10.527	2.154				
ource: Based on GrAT, Robert Wimmer, TU Vienna								
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08.03.08					NACHHALTIG THE VISION	wirtschaften				
Energy consumption of a "wireless" household										
Energy use in household	Energy consumption of an average household (kWh)		Energy consumption of a modern household (kWh)		Energy consumption of a wireless household (kWh)					
	total	electrical	total	electrical	Total	electrical				
Kitchen stove	1.000	1.000	500	500	500	small				
Baking oven	78	78	39	39	39	small				
Washing machine	378	378	189	189	189	15				
Dryer	528	528	264	264	264	small				
Dish washer	456	456	228	228	228	110				
Refrigerator	333	333	167	167	167	small				
Freezer	356	356	178	178	178	small				
Small electrical equipment	170	170	170	170	170	170				
TV / HiFi-System	250	250	250	250	250	250				
PC	70	70	70	70	70	70				
Lighting	500	500	100	100	50	50				
Warm water	2.373	2.373	2.373	0	2.373	0				
Heating	14.000	0	6.000	0	600	0				
Total	20.491	6.491	10.527	2.154	5.077	665				
Source: Based on GrAT, Robert Wimmer, TU Vienna										
bm@fti Jerg	INTERNATIONAL PASSIVE HOUSE SUMMER SCHOOL FOR STUDENTS									

08.03.17

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NACHHALTIG wirtschaften THE VISION "WIRELESS HOUSE "

An autarchic living – concept in Switzerland

A house, independent of drinking water, waste water system connection, electricity and oil, which does not create any operating costs. Working exclusively with that which nature provides: Water, heat, cold, air and ground.

.... and it should be affordable for a family of five.

HAUS

Concept: Prof. Christian Wagner, FH-HTW Chur (CH) Realisation: Architect Guarino Felice, FH-HTW Chur (CH)

www.fh-htwchur.ch/de/htw/bau/institut-ibg/projekte/autarkes-wohnen/

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