Load Evaluation Form

Please copy if more than one sheet is required.

If, like most of us, your home is connected to the utility grid, your energy usage has already been calculated for you in kilowatt-hours per month on your electric bill. If you are building a new home and would like to size a renewable energy system to power it, then we ask that you fill out the following form as completely as you can. Just break down your electrical appliances by room (kitchen, living room, bathroom, etc.), check if they are AC or DC, list how many you have, their wattage and then estimate how many hours per day and days per week you use each particular appliance. If you can do that for each and every electrical appliance in your home, then we can take it from there and calculate your daily corrected watt-hours and design a system for you.

Name:

Appliance	AC	DC	Qty.		Wattage (Volts x Amps Multiply by 1.15 for AC)		Hrs. Per Day		Days Per Week	÷		Avg. Watt Hrs./Day
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	
				X		X		X		7	=	

Highest AC load in watts:	Total AC connected wattage at one time:	Total watt hours per day:

Total watt-hr per day:		Load correction factor*:		Corrected watt-hr per day:
	X	1.25	X	

**The load correction factor is required, as batteries are not 100% efficient and other losses occur in a system. We increase the load value by 25% to compensate for these losses.*