WORKSHEET 1 · CHAPTERS 4 AND 5

Bill and Target Worksheet

Copy your twelve months of kWh from the bills. The sample year is from Chapter 4 and is there to show the method. Type your own numbers in the blank column. Then set a target share. This sheet does not run the payback. Chapter 5 does that from your own rate plan.

Your name / address: _____ **Utility / rate plan:** _____

Month	Sample house, kWh	Your house, kWh	Notes
January	950		Furnace blower, holiday lights, short days
February	820		
March	750		
April	680		
May	760		
June	1,000		AC starts running
July	1,250		Peak month
August	1,230		
September	980		
October	740		
November	760		
December	880		
Total	**10,800**		**Sample is 10,800 kWh a year, about 900 kWh a month on average.**

Check the total two ways, the way the book does. Add the column, then add it in quarters. For the sample: January to March 2,520, April to June 2,440, July to September 3,460, October to December 2,380. Those four numbers add to 10,800.

Your quarterly totals: _____ + _____ + _____ + _____ = _____

Target

	Sample house	Your house
Yearly usage, kWh	10,800	
Target share	About 90%, with roof space saved for an EV later	
Target, kWh a year	10,800 x 0.90 = 9,720	
Checked backward	9,720 / 10,800 = 0.90	

What the shape tells you (Ch 4)

The sample year has a summer peak from air conditioning and a smaller winter peak, with quieter months in spring and fall. An all-electric house can peak in winter, when solar makes the least. Note anything that fooled a month: a long billing period, an estimated read, a vacation, guests, or an unusual year.

Every number for the house is a sample figure. Your bills, roof, service, and utility go in its place. Use this worksheet with the book, not in place of it.