

STEP  
**3**

# Virtual Net Metering – Solar for Apartments

## System Size and Allocation Worksheet

### Estimating System Size

1. Take the total kilowatt-hours (kWh) to be offset by solar (identified in Step 2).
2. Divide that total by 1,700 kWh.
3. This will total the approximate system size (in kW) needed to offset 100% of the kWh consumption identified in Step 2.

\_\_\_\_\_ kWh / 1,700 kWh = \_\_\_\_\_ kW solar electric system

Unit Number	Utility Meter Number	Annual kWh Consumption	Desired Offset of Total Consumption	Annual kWh to be Offset by Solar
Common area	4698512348	1,000 kWh	85%	850 kWh
Unit A	4893214956	5,500 kWh	85%	4,675 kWh
Unit B	3297456812	6,500 kWh	85%	5,525 kWh
Unit C	1348796511	7,000 kWh	85%	5,950 kWh
Unit D	1323489631	8,000 kWh	85%	6,800 kWh
<b>TOTAL</b>				<b>23,800 kWh*</b>

\*This TOTAL indicates the approximate number of kWh that your future solar electric system should produce annually.

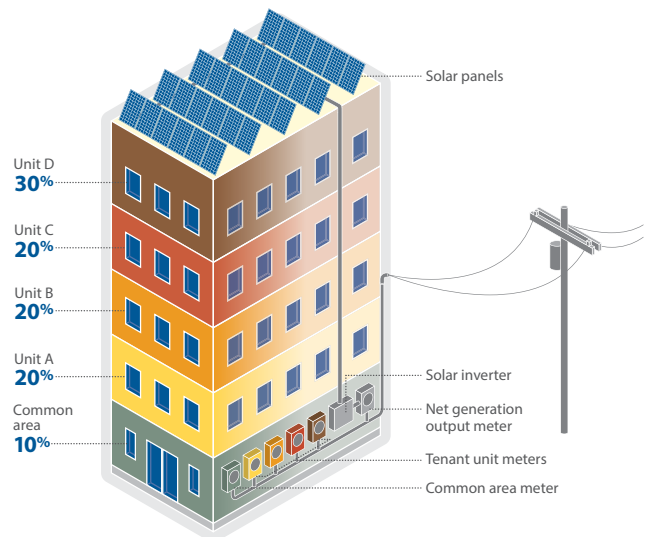
**23,800 kWh / 1,700 kWh = 14 kW solar electric system**

### Determining Unit Allocations

Each benefitting account will need to be assigned a percentage of the total monthly kWh production that will be credited to their utility account (unit allocations). There are a number of methods to determine unit allocations, such as using historical consumption data to determine the respective percentage (Example 1),<sup>1</sup> or a more generic allocation, based on the number of bedrooms or square footage (Example 2).

<sup>1</sup> To calculate what percentage the number A is of B, you divide A by B and then multiply by 100 or simply move the decimal place to the right twice (<http://percentcalculator.com/how-do-you-calculate-percentages>). Using the example numbers above, the common area percentage of 3.57% is derived from 850 (kWh needed for desired offset) divided by 23,800 (total desired offset):  $(850/23,800)*100 = 0.0357*100 = 3.57\%$ .

Virtual Net Energy Metering



Example 1	
Benefitting Account	Percent Allocation
Common Area	3.57%
Unit A (1br/1ba)	19.64%
Unit B (1br/1ba)	23.21%
Unit C (2br/2ba)	25.01%
Unit D (2br/2ba)	28.57%
<b>Total</b>	<b>100%</b>

Example 2	
Benefitting Account	Percent Allocation
Common Area	10%
Unit A (1br/1ba)	20%
Unit B (1br/1ba)	20%
Unit C (2br/2ba)	25%
Unit D (2br/2ba)	25%
<b>Total</b>	<b>100%</b>

Unit Number	Percent Allocation	Estimated Total Monthly Solar Production (kWh)	Estimated Solar Credits to be Applied to Utility Bill (kWh)
House Meter			
Unit 1			
Unit 2			
Unit 3			
Unit 4			
Unit 5			
Unit 6			
Unit 7			
Unit 8			
Unit 9			
Unit 10			
Unit 11			
Unit 12			
Unit 13			
Unit 14			
Unit 15			
Unit 16			
Unit 17			
Unit 18			
Unit 19			
Unit 20			
<b>TOTAL*</b>			

\*The TOTAL percent allocation should be equal to 100%.

