

**EXAMPLES OF EXTERIOR ENERGY USE WITH
OFFSETS OF RENEWABLE PHOTOVOLTAIC CELLS**

SNOWMELT

HOT TUB

GIVEN: 1000 SF OF DRIVEWAY SNOWMELT	GIVEN: 100 SQUARE FOOT HOT TUB
PHOTOVOLTAIC CELLS PRODUCE 0.5 kWh PER DAY PER SQUARE FOOT.	PHOTOVOLTAIC CELLS PRODUCE 0.5 kWh PER DAY PER SQUARE FOOT.
ANNUAL ENERGY USE FOR SNOWMELT IS 24 kWh PER SQUARE FOOT.	ANNUAL ENERGY USE FOR HOT TUBS IS 126 kWh PER SQUARE FOOT
24 kWh X 1000 SF = 24,000 kWh ANNUAL ENERGY USE	126 kWh X 100 SF = 12,600 kWh ANNUAL ENERGY USE
0.5 kWh X (SF OF PV ARRAY) X 365 = 24,000 kWh	0.5 kWh X (SF OF PV ARRAY) X 365 = 12,600 kWh
24,000 DIVIDED BY 182.5 (365 X 0.5) = 131.51 SF	12,600 DIVIDED BY 182.5 (365 X 0.5) = 69.04 SF
132 SF OF PHOTOVOLTAIC CELLS REQUIRED AT 100% OF AEU.	70 SF OF PHOTOVOLTAIC CELLS REQUIRED AT 100% OF AEU.
