

*****DRAFT***
SOLAR
CONCEPTUAL DESIGN**

SITE OWNER/LOCATION:

Five Rivers MetroParks

2nd Street Market
600 E 2nd Street
Dayton, OH 45402

UTILITY INTERCONNECTION:

AES Ohio

NOTES:

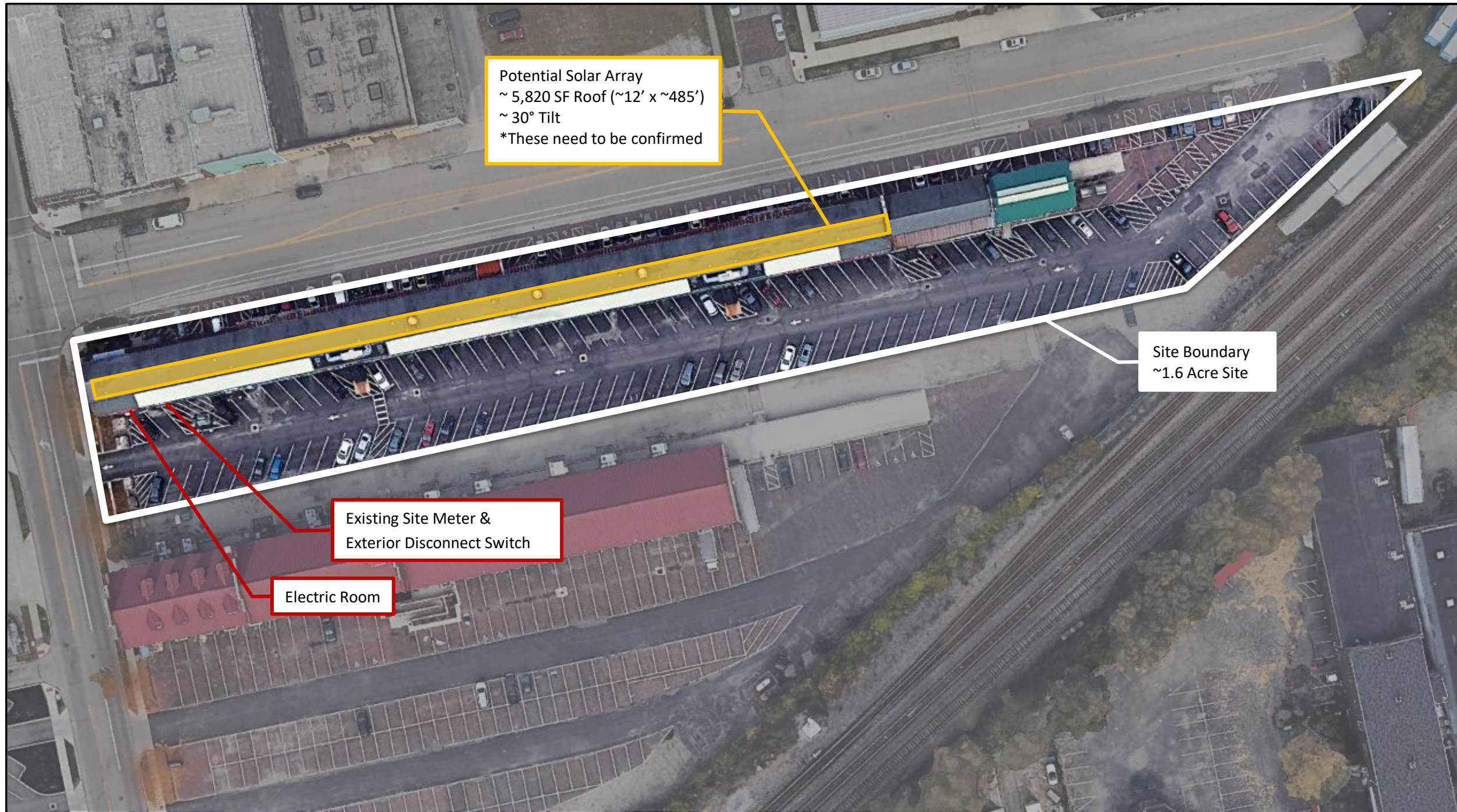
1. Final design to be prepared at later date by the selected vendor.
2. Proposed solar size and annual generation are preliminary and will be refined with the selected vendor.
3. Final design must meet all applicable codes and ordinances.

Conceptual Design Prepared By:

Go Sustainable Energy, LLC
March 2023



NOTE: DRAWING NOT TO SCALE



Potential Solar Array
~ 5,820 SF Roof (~12' x ~485')
~ 30° Tilt
*These need to be confirmed

Site Boundary
~1.6 Acre Site

Existing Site Meter &
Exterior Disconnect Switch

Electric Room

Month	2022 Electric Use (kWh/mo)	2022 Estimated Demand (kW)	Potential Solar Size (kW_dc)	Potential Annual Solar Generation (kWh_ac/yr)
January	11,504	77	50	70,000
February	10,300	69		
March	13,697	91		
April	13,880	93		
May	17,815	119		
June	23,181	155		
July	28,557	191		
August	27,185	182		
September	19,695	132		
October	14,264	95		
November	13,270	89		
December	13,821	92		
Total/Average	207,172	115		