

### **Three Corners Solar Project**

MDEP Natural Resources Protection Act Permit Application

### **ATTACHMENT 7. CONSTRUCTION PLAN**

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The Applicant's owners have extensive experience constructing solar energy facilities, with numerous projects currently in operation. The Applicant is committed to constructing facilities that minimize environmental impacts and comply with regulatory requirements and best management practices (BMPs).

Clearing for construction is projected to commence in August 2022, with the goal of Project completion set for February 2024. The sequence of Project construction will generally adhere to the timeline detailed below (Table 7-1), although adjustments may be necessary to accommodate seasonality and weather conditions.

Prior to initiating earthwork activities, resource areas will be flagged and/or fenced for protection and erosion and sediment control measures will be installed in accordance with regulatory requirements and BMPs. The array area with forested cover will be cleared of trees, stumping and grubbing where necessary, and earthwork to upgrade and build the access roads will commence. The Genlead and overhead Collector ROWs will be cleared of trees without stumping or grubbing. The array areas will be accessed via existing and upgraded access roads (Bessey Lane and Palmer Road) originating from Unity Road. Once site preparation is completed, the Collector, Genlead, and solar racking systems will be installed. Panel racking will be installed using ground screws or pilings. Panels and ancillary equipment will be delivered to the site and temporarily staged within construction laydown areas identified on the civil site plans provided in Attachment 5-1.

Substation and O&M building construction will likely occur concurrently with other work on site. The substation and O&M sites will be prepared to provide sub-grade or final-grade for foundation construction. Once foundations are constructed, structural steel will be installed to support the substation. Other control buildings, as needed, within the fenced substation yard will either be constructed on site or pre-fabricated and delivered. If necessary, the substation will be energized for back feeding the site collection system and the solar arrays for final testing and commissioning. Final site restoration activities are anticipated during the spring of 2024.

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**Table 7-1. Estimated Construction Activity Timeline**

Three Corners Solar Schedule	2022					2023											2024							
	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	
<b>Mobilization / Layout &amp; Staking</b>	█	█																						
<b>Site Clearing (PV Array &amp; Substation)</b>	█	█	█	█																				
<b>Civil &amp; Structural (PV Array)</b>	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█						█	█		
<b>Electrical (Plant)</b>								█	█	█	█	█	█	█	█	█	█	█			█	█		
<b>Substation</b>								█	█	█	█	█									█	█		
<b>Site Clearing (Transmission Line)</b>				█	█	█		█	█												█	█		
<b>Transmission Line</b>					█	█	█	█	█	█	█	█									█	█		
<b>Trial Ops &amp; Testing &amp; Commissioning</b>															█	█	█	█						
<b>Energize Facility</b>													█											
<b>In-Service Date</b>																								
						WINTER	THAW											WINTER	THAW					

Note: Green Cells indicate active work periods; black cells indicate thaw period inactive periods; and the red cell indicates Project commissioning