

16.0 WATER SUPPLY

16.1 LOCATION

The water supply system for the Project will be sited near the O&M building in a location with adequate water supply that is more than 100 ft from the wastewater disposal system. The proposed O&M site plan is included in the civil design plans for the Project in Exhibit 1-1.

16.2 WATER SUPPLY REQUIREMENTS

The Project will not require water supply for the operation of the solar arrays, electrical equipment, or electrical lines. The only demand for water at the Project will be at the O&M building, for which it is expected that water usage will be between 120 and 200 gallons per day, based on facility use by 10 employees. A septic system design by a State of Maine Licensed Site Evaluator will be completed to accommodate 150 gallons of flow per day (see Section 17). A private well will supply potable water to the O&M building.

16.2.1 Well Location

The water supply needs for the O&M building can be provided by a single well to be located near the O&M building. Exhibit 16-1 includes a letter from Weeks and Sons Well Drilling indicating that bedrock is typical and that a well could be drilled at this location in accordance with state regulations. The proposed Project will not require water supply for the operation of the solar arrays or electrical infrastructure.

16.3 CONSTRUCTION WATER SUPPLY

During construction, bottled drinking water will be made available for the support of construction personnel. Dust abatement water (up to 20,000 gallons per day, spread by tanker trucks) for dust abatement on the gravel access roads will be drawn from publicly accessible, off-site non-potable water sources, such as Unity Pond, and will not include streams, brooks, or groundwater sources. Water removal will be conducted in accordance with the requirements of 38 M.R.S.A. Section 470-B (and if applicable, pond water level regulations in 06-096 CMR Chapter 587).

Three Corners Solar Project

MDEP Site Location of Development Act Permit Application

SECTION 16: WATER SUPPLY

Exhibit 16-1

Well Drilling Suitability Letter

Weeks & Sons Well Drilling
29 County Road
Oakland, ME 04963

January 18, 2022

Eben Baker,

This letter is in regard to a proposed well project for Three Corners Solar, LLC on the Bessey Road in Benton.

Having drilled in this area, my experience is that the aquifers will produce an adequate water supply for the proposed project.

If you have any further questions, please feel free to call me at 465-3753.

Mark Weeks
Weeks & Sons Well Drilling