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September 21, 2021

Project Narrative

Memorial Sloan Kettering Cancer Center

Solar Facilities – 480 Red Hill Road

Lot 1 – Block 1045

The Memorial Sloan Kettering Cancer Center (MSK) located at 480 Red Hill Road, Middletown Township, New Jersey proposes to construct solar carports within their existing parking lot. The total system size will be 2,349,720 kW (2.34 MW) and consist of twelve (12) carport structures containing 4,392 solar panels. The carport structures will have a minimum clearance of 13.5' with a maximum height of 18.5' and will be supported by columns located in the center of the array. Existing trees and landscaping affected by the proposed improvements will be removed, however additional landscaping is proposed which replaces the removed trees by 1:1. Light poles that are within the area of the proposed carports will be removed while some existing light poles will be adjusted ad/or relocated. Adequate lighting is proposed under the carport structures and maintained throughout the parking lot and pedestrian walkways. The solar carports will be connected via underground conduit and brought to an equipment pad located on the westerly corner of the existing parking lot. The concrete equipment pad will be surrounded by 7' high chain link fence for safety. From the equipment pad, the solar array system will connect to an existing transformer.

An undercarriage or stormwater collection system is not proposed for the solar carports. The proposed solar carports will be constructed so that the solar panels themselves will have a quarter inch (1/4") gap between them which will allow for stormwater runoff to pass thru the arrays. Stormwater runoff will freely flow between the solar panels onto the parking lot pavement and drain as it currently does in the existing condition.