

Operations and Maintenance Plan

±1.975 MW AC Ground-Mounted Solar Photovoltaic Electric Facility Located at 391 Durham Road in Madison, Connecticut

December 2024

Solar Project Operation and Maintenance Plan

391 Durham Rd, Madison, CT

This Operation and Maintenance Plan is intended to outline the required work expected to keep the 1.975 MW solar-based electric generating facility ("Facility") operating as designed throughout its lifecycle.

Daily System Monitoring

The Facility will be monitored remotely 24 hours a day 7 seven days a week for system performance. Any alerts and/or alarms that are received will be reviewed and technicians will be dispatched as required.

Annual Inspections and Maintenance

The Facility will be inspected four times per year to determine if there are any issues with the system and perform preventative maintenance that maybe required. The inspections will include the following:

Site Inspection

- Condition of access drive leading to the Facility (free of obstructions and stable)
- Condition of fencing and gates
- Condition of equipment pads and supports
- Condition of tracker arrays and motors
- Ground cover, both within and outside the Facility, are checked for erosion

Electrical and Racking Equipment

- Visual inspection of all electrical equipment including but not limited to modules, wiring, conduit, mounting system, switchgear, trackers, and transformers
- Inspect ground connections
- Inspect and test all electrical terminations, including thermography
- Inverter cleaning, testing, and preventative maintenance as required by manufacturer
- Tracker motor preventative maintenance as required by manufacturer
- Transformer cleaning, testing, and preventative maintenance as required by manufacturer
- Check proper operation of all AC and DC disconnect switches
- Electrical testing of DC strings

Landscaping

The area beneath and between the solar panels will be mowed once or twice per year as required to keep panels from shading and promote the growth of the pollinator plants that are part of the seed mix.

Maintenance and Repairs

Any repairs that are identified during the inspections or through dispatched alarm visits will be reviewed with the asset management team and a priority and timeline for repair will be developed for each instance. Once repairs are completed those work orders will be closed out.