

6. Noise

Audibly inspect the system's noise levels annually. Noise louder than normal operating conditions shall be corrected to ensure levels do not exceed (40 dBA) at the property line.

7. Safety Training

On-site emergency training and a final walk through for safety for fire officers must be conducted prior to project completion. On-site training for local emergency personnel shall be offered on an annual basis by the Emergency Response Coordinator, or their designees, regarding the content, requirements, and appropriate actions to comply with the provisions of the Emergency Response and Communications Plan. In addition to the annual training, other trainings may occur:

- When changes are made to the Emergency Response and Communications Plan;
- At the request of local emergency personnel;
- At the discretion of the Emergency Response Coordinator.

Maxson Hill Road Solar

Long Term Operation and Maintenance Plan

The purpose of this plan is to ensure that the photovoltaic system approved by the Town of Hopkinton, Rhode Island, will remain compliant with all Town ordinances;

Electrical and Technical Maintenance and Inspection Schedule	
Action Item	Recommended Min. Frequency
Inspect modules for discoloration, burn marks, corrosion, cracks, or other damage	Annually
Inspect modules connections for loose fittings, pulled wires, or other conditions that would impact safety and/or performance.	Annually
PV Racking and Mechanical Attachments	
Visual Inspection of racking for:	Annually
Loose or missing mechanical connections	Annually
Corrosion	Annually
Broken or damaged connections	Annually
Check for secure bonding of ground lugs to racking as well as any corrosion from dissimilar metals	Annually
Visual inspection of ground mount piers for hydro-collapse, erosion, deterioration	Annually
Inverters	
Inspection of both interior and exterior of inverter for signs of leaks, physical damage, corrosion, deterioration, pest, or insect intrusion.	Annually
Verify torque marks on inverter connections have not moved. If necessary, re-torque connections to manufacturer's specifications.	Annually
Perform thermal scans of key connection points with inverter	Annually
Record Voc & Imp readings at all incoming DC and outgoing AC conductors	Annually

Transformers	
Inspection of exterior of Transformer for signs of leaks, physical damage, corrosion, deterioration, pest, or insect intrusion.	Annually
DC Disconnects, Combiners, Wiring	
Inspection of both interior and exterior of inverter for signs of leaks, physical damage, corrosion, deterioration, pest, or insect intrusion.	Annually
Clean inside of equipment of debris	Annually
Inspect conduits for loose connections, corrosion, bonding.	Annually
Conduct a spot check exposed wire for abrasions, faults, cuts, proper connections, and excessive wear.	Annually
Inspect terminations for proper torque settings wherever conductors are landed.	Annually
Record inspection results. Provide Customer with results, recommended fixes, and estimated costs	Annually
Deficiencies during inspection will be recorded and marked as Extra Work for remediation.	Annually
Measure and Record Voc and Imp. Record irradiance and temp when conducting testing.	Annually
Note any instances where Voc or Imp fall below expected ranges	Annually
AC Disconnects, PV Load Centers, Wiring	
Perform visual inspections	Annually
Inspect inside and outside of all AC equipment for corrosion and weather tight integrity	Annually
Clean inside of equipment of debris	Annually
Inspect conduits for loose connections, corrosion, bonding.	Annually
Conduct a spot check exposed wire for abrasions, faults, cuts, proper connections, and excessive wear.	Annually
Perform thermal scans on disconnects, combiners, relays, switches, on the DC side of PV System	Annually

Inspect terminations for proper torque settings wherever conductors are landed.	Annually
Deficiencies during inspection will be recorded and marked as Extra Work for remediation.	Annually
Measure and Record Voc and Imp. Record irradiance and temp when conducting testing.	Annually
Note any instances where Voc or Imp fall below expected ranges	Annually
Meters and Sensors	
Visual inspection and cleaning	Annually
Visual inspection and cleaning of meteorological devices.	Annually
Maintain meters and sensors as required by Operations Manual	Annually
Site Conditions	
Inspection of site conditions.	Annually
Fence and any roadway access inspections for erosion, damage, or corrosion	Annually
Inspect and report on vegetation growth. Record if vegetation is or will affect insolation access to PV array.	Annually
Reporting	
Record inspection results. Provide customer with detailed report and list of recommended services and cost for services not covered by Direct Energy Solar warranty and/or material warranties.	Annually
Property Maintenance and Inspection Schedule	
Action Item	Recommended Min Frequency
Ground Cover Inside the FENCE and around the Solar array	
Vegetation inside fence area	Semi-Annual
Ground Cover Outside the FENCE	
Hopkinton required Buffer	Semi-Annual
Maintained per approved plans	

Fencing		
	Perform visual inspections	Annually
	Walk the perimeter to inspect both sides	Annually
	Repair as needed	As Needed
	Clearing of Debris	As Needed
Safety and Fire		
	Inspection of Gate	Annually
	Inspection of Fire Knock Box	Annually
	Inspection of Lock Box for access	Annually
Access Roadway		
	Visual inspection	Annually
	Clearing of Debris	As Needed