

OPERATIONS & MAINTENANCE PLANS

Ground-Mounted Solar Energy Systems

MRB | group



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PURPOSE

- Solar operations & maintenance services are technical services required to establish and maintain a specific performance level for a solar energy system.
- Activities to ensure system performs as planned, optimize production, reduce risks, protect values and comply with rules and regulations.
- An effective Operation & Maintenance Plan (O&M) Plan enhances the likelihood that a system will perform at or above its projected productions rate and cost over time.
- Historically, O&M practices and approaches have not been standardized, and instead, they were implemented in various proprietary methods.

COMPONENTS

Although all solar energy projects differ from one another; O&M Plans shall minimally include the following key components:



Staffing Levels



Emergency Procedures & Contacts



Warranty/Contingency Plan



Local Authorities & Stakeholders



Equipment Testing Plan



Project & Site Specific Detailed Maintenance Plan



Unscheduled Maintenance



Equipment (e.g. pads, conduits, etc.) and Mechanical (wires, generators, etc.) Maintenance



Security & Safety Protocols Plan



THINGS TO CONSIDER

Solar energy systems will need optimal monitoring, inspection, warranties, insurance and the O&M Plan should detail the maintenance philosophy:

A detailed, site specific Operation and Maintenance Plan (O&M Plan) should be provided as part of the application

The O&M plan should be reviewed as part of the application review process

The O&M plan will govern how the site will be maintained once operational

The O&M Plan should include a detailed, site specific maintenance schedule of all items including roadways, fencing, and landscaping, site, and grass areas inside and outside of fenced areas.

Reports generated are to be forwarded to the local municipal Code Enforcement Official

Emergency procedures and contacts should be included

