## Appendix A. PV System Inspection Checklist

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| ***Please specify the requested information in the spaces provided below:*** | |
| **1. General Project Information** | |
| Project Code (DB): | |
| Project Description: | |
| Project Location: | Street: City: State: Zip: |
| Owner/Operator: | |
| Contact: | Name: Phone: |
| System Installation Date: | |
| Project/Contract Sponsor: | Name: Phone: |
| **2. System Information** | |
| PV Module/Array | |
| Manufacturer's DC Peak Rating | |
| PV Array Configuration | |
| Parallel Array Source Circuits | |
| PV Panels | |
| Power Conditioner | |
| Metering | |
| DAS and Instrumentation | |
| **3. Inspection Record** | |
| Date of Inspection | |
| Field Crew | |
| Purpose | |
| Background | |
| **4. User/Operator Interview** | |
| Comments/Experience | |
| Interpretation | |
| Problems | |
| **5. Overall Site Evaluation** | |
| Solar Resource | |
| Shading Potential | |
| Orientation | |
| Other Site Conditions | |
| **6. PV Array Installation** | |
| Roof Integration and Attachment | |
| Interconnect Wiring | |
| Junction Boxes | |
| Soiling | |
| Orientation | |
| **7. BOS Installation** | |
| Inverter and Disconnects | |
| Junction Boxes | |
| Controls | |
| Batteries | |
| **8. Mechanical Installation** | |
| Array Structural Attachment | |
| Weather Sealing | |
| Corrosion | |
| Safety Issues | |
| **9. Electrical Installation** | |
| Wiring, Conduit and Junction Boxes | |
| Terminations and Connections | |
| Disconnects and Overcurrent Devices | |
| Grounding | |

## Appendix A. PV System Inspection Checklist

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| Use of Listed Equipment | |
| Code Compliance | |
| Safety Issues | |
| Use of Labels and Markings | |
| **10. Utility Interconnection** | |
| Conection Point | |
| Accessibility | |
| Metering | |
| Disconnects | |
| **11. Performance Assessment** | |
| Array DC Power/Energy Performance | |
| PCU AC Power/Energy Performance | |
| Power Factor and Harmonics Measurement | |
| Shut Down Operation/Verification | |
| Start Up Operation/Verification | |
| Array DC Rating | |
| System AC Rating | |
| Discrepancies | |
| **12. Documentation Review** | |
| System Manuals | |
| Record Keeping | |
| **13. Maintenance/Repair Activity** | |
| Activity | |
| Corrective Actions Taken | |
| Need for Follow-Up | |
| **Notes/Comments:** | |
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