Appendix A. PV System Inspection Checklist

**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: 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

<table>
<thead>
<tr>
<th>Use of Listed Equipment</th>
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<tbody>
<tr>
<td>Code Compliance</td>
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<td>Safety Issues</td>
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<td>Use of Labels and Markings</td>
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### 10. Utility Interconnection

<table>
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<th>Connection Point</th>
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<tr>
<td>Metering</td>
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<tr>
<td>Disconnects</td>
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</tbody>
</table>

### 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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