



Energy Metering Compliance Checklist Template

Meter Accuracy & Calibration

Verifies meter accuracy and adherence to calibration schedules.

Meter Serial Number

Last Calibration Date (YYYY-MM-DD)

Next Calibration Due Date

Accuracy Class

Measured Value at Calibration

Tolerance Limit (%)

Enter a number...

Calibration Status

- ☐ Pass
- ☐ Fail
- ☐ Pending

Calibration Notes/Observations

Write something...

Meter Installation & Connection

Confirms proper meter installation, wiring, and connection to the electrical system.

Meter Serial Number

Enter a number...

Installation Date

Enter date...

Connection Type (Single Phase/Three Phase)

- ☐ Single Phase
- ☐ Three Phase

CT Ratio (If Applicable)

Enter a number...

PT Ratio (If Applicable)

Enter a number...

Wiring Configuration (Correct/Incorrect)

☐ Correct

☐ Incorrect

Notes/Observations

Write something...

Data Recording & Transmission

Ensures accurate data recording, secure transmission, and integrity of metering data.

Meter Reading Accuracy (%)

Enter a number...

Last Data Transmission Date

Enter date...

Last Data Transmission Time

Communication Protocol Used

- ☐ Modbus
- ☐ DNP3
- ☐ IEC 61850
- ☐ Other

Description of Data Transmission Method

Write something...

Data Encryption Method

- ☐ AES
- ☐ RSA
- ☐ None

Data Transmission Interval (minutes)

Enter a number...

Tamper Detection & Security

Evaluates tamper-proof measures and physical security of metering equipment.

Physical Security Assessment

- ☐ Adequate
- ☐ Needs Improvement
- ☐ Insufficient

Tamper Detection System Status (0-100)

Enter a number...

Sealing Integrity

- ☐ Intact
- ☐ Compromised
- ☐ Missing

Last Sealing Inspection Date

Enter date...

Notes on Tamper Evidence Observed

Write something...

Alarm System Functionality

- ☐ Functional
- ☐ Needs Repair
- ☐ Disabled

Regulatory Compliance

Confirms adherence to relevant industry regulations and standards.

Applicable Regulations (e.g., FERC, NERC, State)

- ☐ FERC
- ☐ NERC
- ☐ State Regulation - [Specify State]
- ☐ Local Ordinance - [Specify Ordinance]
- ☐ Other - [Specify]

Last Regulatory Audit Date

Enter date...

Audit Score/Rating (if applicable)

Enter a number...

Summary of Audit Findings (if applicable)

Write something...

Compliance Status

- ☐ Compliant
- ☐ Non-Compliant
- ☐ Partial Compliance
- ☐ Pending Review

Supporting Documentation (Audit Reports, Certificates)

 Upload File

Documentation & Record Keeping

Verifies proper documentation of meter readings, maintenance, and compliance activities.

Last Meter Reading Date

Enter date...

Meter Reading Value

Enter a number...

Notes on Meter Reading

Write something...

Attach Meter Reading Photo



Upload File

Calibration Date

Enter date...

Calibration Details

Write something...

Calibration Status

- ☐ Complete
- ☐ Pending
- ☐ Not Required

Meter Testing and Validation

Ensures periodic meter testing and validation processes are followed.

Last Meter Test Date

Meter Reading at Test Start

Meter Test Load (Amps)

Meter Voltage During Test (Volts)

Meter Indicated Value During Test

Test Result

- ☐ Pass
- ☐ Fail
- ☐ Needs Further Investigation

Test Comments & Observations

Write something...

Attach Test Report (Optional)

 Upload File

Communication Infrastructure

Assesses the reliability and security of communication networks used for meter data retrieval.

Network Bandwidth (Mbps)

Enter a number...

Signal Strength (dBm)

Enter a number...

Communication Protocol

- ☐ Cellular
- ☐ Wired (Ethernet)
- ☐ Wireless (WiFi)
- ☐ Satellite

Last Network Performance Test Date

Enter date...

Typical Data Transmission Latency (ms)

Description of Redundancy Measures (if any)

Write something...