



EV Charging Infrastructure Deployment Checklist 2026

Site Assessment & Feasibility Study

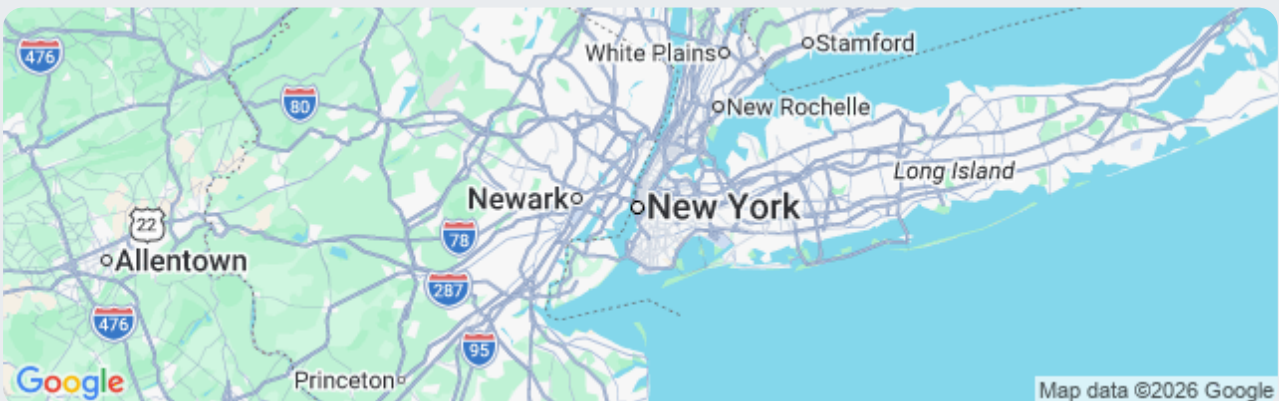
Evaluating site suitability, -grid capacity, available space, and electrical infrastructure requirements.

Site Name/Location ID

Write something...

Installation Coordinates

 [Set My Current Location](#)



Existing Transformer Capacity (kVA)

- ☐ Under 50 kVA
- ☐ 50-150 kVA
- ☐ 150-500 kVA
- ☐ Above 500 kVA

Available Power Source Types

- ☐ Grid Connection
- ☐ Solar PV Array
- ☐ Battery Energy Storage (BESS)
- ☐ Backup Diesel Generator

Site Obstruction Notes

Write something...

Site Survey Photo/Blueprint

 Upload File

Permitting & Regulatory Compliance

Ensuring all local building codes, zoning laws, and electrical safety standards are met for 2026 regulations.

Permit Status

- ☐ Not Started
- ☐ In Progress
- ☐ Under Review
- ☐ Approved
- ☐ Denied

Permit Expiration Date

Enter date...

Approved Permit Documentation

 Upload File

Regulatory Compliance Notes

Write something...

Required Approvals Obtained

- ☐ Zoning Board Approval
- ☐ Electrical Safety Permit
- ☐ Environmental Impact Clearance
- ☐ Utility Interconnection Agreement
- ☐ Construction Permit

Compliance Officer Verification

Grid Connection & Utility Coordination

Managing communication with utility providers, transformer upgrades, and load management requirements.

Utility Provider Name

Service Connection Request Date

Connection Type

- ☐ New Service Connection
- ☐ Load Upgrade/Expansion
- ☐ Existing Infrastructure Reconfiguration

Estimated Peak Load Requirement (kW)

Utility Single Line Diagram (SLD)

 Upload File

Required Grid Interventions

- ☐ Transformer Upgrade
- ☐ New Meter Installation
- ☐ Substation Modification
- ☐ New Dedicated Conduit

Project Manager Approval

Hardware & Equipment Procurement

Selecting and ordering Level 2 or DC Fast Chargers, cables, mounting hardware, and enclosure units.

Charger Type

- ☐ Level 2 AC Charger
- ☐ DC Fast Charger (DCFC)
- ☐ Ultra-Fast Charger

Quantity of Units Ordered

Enter a number...

Expected Delivery Date

Enter date...

Equipment Specification Sheets

 Upload File

Included Accessories

- ☐ Mounting Brackets
- ☐ Cable Management Hooks
- ☐ RFID Card Readers
- ☐ Emergency Stop Buttons

Vendor & Manufacturer Details

Write something...

Electrical Installation & Wiring

Overseeing conduit installation, wiring, circuit breaker setup, and grounding procedures.

Conduit Material Used

- ☐ EMT (Electrical Metallic Tubing)
- ☐ IMC (Intermediate Metal Conduit)
- ☐ Rigid Metal Conduit (RMC)
- ☐ PVC (Polyvinyl Chloride)

Circuit Breaker Ampere Rating

Enter a number...

Electrical Inspection Date

Enter date...

Wiring Verification Tasks Completed

- ☐ Grounding & Bonding Verified
- ☐ Insulation Resistance Test Passed
- ☐ Phase Continuity Confirmed
- ☐ Conduit Support/Strapping Secured

Electrical Circuit Diagram/Blueprint

 Upload File

Certified Electrician Approval

Software & Network Integration

Configuring Network Operations Center (NOC) connectivity, payment processing systems, and mobile app integration.

Network Connection Type

- ☐ Wi-Fi
- ☐ Cellular (4G/5G)
- ☐ Ethernet
- ☐ PLC (Power Line Communication)

OCPP Version Confirmed

Write something...

Integrated Software Features

- ☐ Remote Start/Stop
- ☐ Automated Billing/Payment
- ☐ Real-time Energy Monitoring
- ☐ User Authentication (RFID/App)
- ☐ Load Balancing Control

Network Configuration Documentation

 Upload File

Software Activation Date

Enter date...

IT/Systems Integration Specialist Approval

Connectivity & Communication Testing

Verifying 5G/Wi-Fi signal strength, OCPP (Open Charge Point Protocol) stability, and remote monitoring functionality.

Network Connection Type

- ☐ Wi-Fi
- ☐ Cellular (4G/5G)
- ☐ Ethernet
- ☐ Bluetooth/Local Mesh

Signal Strength (RSSI) Value

Write something...

Communication Protocols Verified

- ☐ OCPP 1.6
- ☐ OCPP 2.0.1
- ☐ MQTT
- ☐ HTTP/HTTPS

Connectivity Troubleshooting Notes

Write something...

Connectivity Test Date

Enter date...

Network Speed/Latency Test Screenshot



Upload File

Technician Verification

Safety & Accessibility Compliance

Ensuring ADA compliance, adequate lighting, signage, and emergency shut-off accessibility.

Safety Equipment Installed

- ☐ Emergency Shut-off Switch
- ☐ Fire Extinguisher Station
- ☐ Safety Signage (High Voltage)
- ☐ Trip Hazard Mitigation (Cable Protectors)
- ☐ Adequate Area Lighting

ADA Compliance Status

- ☐ Fully Compliant
- ☐ Partial Compliance (Requires Modification)
- ☐ Non-Compliant

Accessibility Obstruction Notes

Write something...

Safety Inspection Certificate

 Upload File

Safety Officer Verification

User Experience & Signage

Implementing clear instructional signage, branding, and user-facing instructional decals.

Required Signage Types

- ☐ Instructional Use Guide
- ☐ Safety & Emergency Instructions
- ☐ Payment/Pricing Information
- ☐ Parking Restriction Notices
- ☐ Branding & Wayfinding Decals

Signage Material Specification

Write something...

Signage Installation Status

- ☐ Not Started
- ☐ In Progress
- ☐ Completed

Photo Evidence of Installed Signage

 Upload File

Site Manager Verification

Post-Deployment Commissioning & Maintenance

Final testing of energy flow, setting up automated maintenance alerts, and finalizing the service schedule.

Commissioning Completion Date

Enter date...

System Operational Status

☐ Fully Operational

☐ Operational with Pending Issues

☐ Non-Operational

Completed Verification Tasks

☐ Load Balancing Test Passed

☐ Payment Gateway Verified

☐ Network Connectivity Verified

☐ Safety Shut-off Test Verified

Maintenance Schedule Notes

Write something...

Final Inspection Report

 Upload File

Project Manager Approval

< Previous

> Next

✔ Finish

🔧 Generate Sample Report