



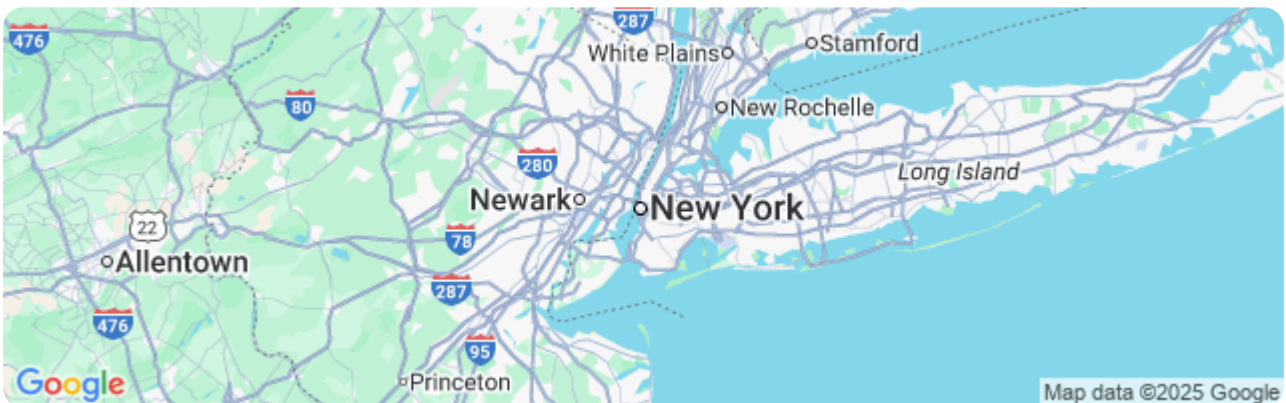
# Energy Project Environmental Impact Checklist

## Site Assessment & Baseline Data

Initial site evaluation and collection of baseline environmental data.

### Project Site Coordinates (Latitude/Longitude)

 [Set My Current Location](#)



### Date of Site Assessment

Enter date...

### Elevation (meters)

Enter a number...

### Description of Surrounding Land Use

Write something...

### Dominant Vegetation Type

- ☐ Forest
- ☐ Grassland
- ☐ Shrubland
- ☐ Agricultural
- ☐ Other

### Average Daily Temperature (°C)

Enter a number...

### Average Annual Precipitation (mm)

Enter a number...

### Identification of Sensitive Habitats (e.g., wetlands, riparian zones)

Write something...

## Permitting & Regulatory Compliance

Verification of required permits and adherence to environmental regulations.

### Environmental Permit Obtained?

- ☐ Yes
- ☐ No
- ☐ Pending

### Permit Expiration Date

Enter date...

### Permit Number

Enter a number...

### Regulatory Body Oversight

- ☐ EPA
- ☐ State Environmental Agency
- ☐ Local Authority

### Summary of Permit Conditions

Write something...

### Copy of Environmental Permit

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## Flora & Fauna Protection

Measures to protect local plant and animal life during construction and operation.

### Identify Sensitive Habitats

- ☐ No Sensitive Habitats
- ☐ Wetlands
- ☐ Riparian Zones
- ☐ Known Wildlife Corridors
- ☐ Other (Specify in Long Text)

### Detailed Description of Observed Flora

Write something...

### Detailed Description of Observed Fauna

Write something...

### Estimated Area of Habitat Disturbance (hectares)

Enter a number...

### Mitigation Measures Implemented

- ☐ Habitat Restoration
- ☐ Wildlife Fencing
- ☐ Nest Box Installation
- ☐ Seasonal Construction Restrictions
- ☐ Other (Specify in Long Text)

### Description of Mitigation Strategy Details

Write something...

### Date of Biological Survey

Enter date...

## Water Resource Management

Assessment and mitigation of potential impacts on water quality and quantity.

### Initial Water Table Level (meters)

Enter a number...

### Project Water Withdrawal Rate (m<sup>3</sup>/day)

Enter a number...

### Estimated Water Consumption (m<sup>3</sup>/year)

Enter a number...

### Water Source Type

- ☐ Surface Water
- ☐ Groundwater
- ☐ Reclaimed Water
- ☐ Other

### Water Discharge Method

- ☐ Direct Discharge
- ☐ Treatment & Reuse
- ☐ Evaporation
- ☐ Other

### Last Water Quality Sampling Date

Enter date...

### Summary of Water Quality Sampling Results

Write something...

## Soil Erosion & Sediment Control

Strategies to prevent soil erosion and sediment runoff.

### Soil Type Assessment

- ☐ Sandy
- ☐ Clay
- ☐ Loamy
- ☐ Silty
- ☐ Other

### Slope Gradient (degrees)

Enter a number...

### Rainfall Intensity (estimated)

- ☐ Low
- ☐ Moderate
- ☐ High

### Description of Existing Vegetation Cover

Write something...


### Erosion Control Methods Implemented

- ☐ Silt Fences
- ☐ Straw Wattles
- ☐ Check Dams
- ☐ Terracing
- ☐ Mulching
- ☐ Re-vegetation

### Date of Erosion Control Implementation

Enter date...

### Photos of Erosion Control Measures

 Upload File

## Air Quality Monitoring

Tracking and minimizing air pollutant emissions.

### Background PM2.5 Concentration ( $\mu\text{g}/\text{m}^3$ )

Enter a number...

### PM2.5 Concentration During Construction ( $\mu\text{g}/\text{m}^3$ )

Enter a number...

### PM10 Concentration During Operation ( $\mu\text{g}/\text{m}^3$ )

Enter a number...

### NOx Concentration During Operation (ppm)

Enter a number...

### Monitoring Equipment Calibration Status

☐ Calibrated

☐ Needs Calibration

### Date of Last Monitoring Event

Enter date...

### Time of Monitoring Event



### Notes/Observations During Monitoring

Write something...

## Noise Pollution Mitigation

Reducing noise levels to protect surrounding communities and wildlife.

### Ambient Noise Level (dB)

Enter a number...

### Construction Noise Level (dB)

Enter a number...

### Operational Noise Level (dB)

Enter a number...

### Noise Barrier Implementation?

☐

Yes

☐

No

☐

Planned

### Noise Reduction Techniques Used?

- ☐ Equipment Mufflers
- ☐ Noise Barriers
- ☐ Operational Scheduling
- ☐ None

### Noise Monitoring Start Date

Enter date...

### Noise Monitoring Time

## Waste Management Plan

Proper handling, storage, and disposal of waste materials.

### Estimated Waste Generation (tons/year)

Enter a number...

### Waste Types Generated

- ☐ Construction Debris
- ☐ Organic Waste
- ☐ Hazardous Waste
- ☐ Recyclable Materials
- ☐ Other (Specify in LONG\_TEXT)

### Specify 'Other' Waste Type (if selected)

Write something...

### Waste Disposal Manifests (Upload)

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### Preferred Waste Disposal Method

- ☐ Landfill
- ☐ Recycling
- ☐ Incineration
- ☐ Composting

### Last Waste Disposal Record Date

Enter date...

## Hazardous Materials Management

Safe handling and storage of hazardous substances.

### List of Hazardous Materials on Site

Write something...

### Quantity of Chemical A (in liters/gallons)

Enter a number...

### Quantity of Chemical B (in kilograms/pounds)

Enter a number...


### Storage Container Condition (e.g., Rust, Leaks)

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

### Last Inspection Date of Hazardous Material Storage Area

Enter date...

### Attach SDS (Safety Data Sheet) for Key Chemicals

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### Secondary Containment Present?

- ☐ Yes
- ☐ No

## Decommissioning & Restoration

Planning for the eventual decommissioning of the project and restoration of the site.

### Project Decommissioning Target Date

Enter date...

### Detailed Decommissioning Plan Description

Write something...

### Estimated Site Restoration Cost (USD)

Enter a number...

### Site Restoration Plan Document



Upload File

### Land Use Post-Restoration

- ☐ Agricultural
- ☐ Recreational
- ☐ Natural Habitat
- ☐ Commercial
- ☐ Other

### Description of Post-Restoration Land Use

Write something...

**Responsible Party Signature (Decommissioning Lead)**

## Emergency Response Plan

Procedures for responding to environmental emergencies.

### Emergency Contact List

Write something...

### Primary Emergency Coordinator

- ☐ Coordinator 1
- ☐ Coordinator 2
- ☐ Coordinator 3

### Secondary Emergency Coordinator

- ☐ Coordinator 1
- ☐ Coordinator 2
- ☐ Coordinator 3

### Last Emergency Drill Date

Enter date...

### Typical Emergency Response Time Estimate


### Estimated Evacuation Time (minutes)

Enter a number...

### Potential Emergency Scenarios

- ☐ Spill
- ☐ Fire
- ☐ Equipment Failure
- ☐ Natural Disaster
- ☐ Security Threat

### Emergency Response Plan Document

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