



MAGNUM CONSTRUCTION SERVICES INC.

SUSTAINABILITY ACTION PLAN (LEED / BREEAM / Envision)

Document Code: MCS-EN-P06 | **Revision:** 1.0 | **Effective Date:** November 1, 2025

1 PURPOSE

To implement a structured sustainability management program that embeds environmental, social, and economic performance into all Magnum Construction Services Inc. operations, supporting third-party certifications (LEED, BREEAM, Envision) and ISO 14001 compliance.

2 SCOPE

Applies to all Magnum projects pursuing sustainability ratings or incorporating corporate ESG targets, covering:

- Concrete, masonry, and light-gauge steel stud framing operations
 - Site planning, procurement, and logistics
 - Workforce welfare and community relations
 - Energy, waste, and water management
 - Reporting to clients, regulators, and investors
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3 REFERENCES

- **LEED v4 BD+C / v4.1** – US Green Building Council
 - **BREEAM International New Construction 2016 / UK NC 2018**
 - **Envision v3** – Institute for Sustainable Infrastructure
 - **ISO 14001:2015** Environmental Management Systems
 - **ISO 26000:2010** Social Responsibility
 - **Magnum EMP (MCS-EN-P01)** and **WMRP (MCS-EN-P03)**
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4 OBJECTIVES & TARGETS

Category	Objective	Target (2025–2026)	Measurement / Credit Reference
Energy Efficiency	Reduce site fuel & power use	–15 % vs. 2024 baseline	LEED EAc1 / Envision RA1.1
Water Use	Optimize water consumption	≤ 10 gal / yd ³ concrete placed	LEED WEp1 / BREEAM Wat 01
Waste Diversion	Increase recycling	≥ 75 % C&D waste diverted	LEED MRc5 / Envision RA1.3
Materials	Source sustainable materials	≥ 25 % regional / recycled	LEED MRc2–3 / BREEAM Mat 03
Embodied Carbon	Quantify & reduce CO ₂ in concrete	10 % reduction vs. standard mix	Envision CR1.1
Workforce Welfare	Promote health & wellbeing	100 % workers receive EHS training	Envision QL1.4 / BREEAM Hea 02
Community Impact	Engage local communities	≥ 2 CSR events per year / project	Envision QL2.2 / LEED SSc2

5 RESPONSIBILITIES

Role	Responsibility
Sustainability Manager	Lead implementation, coordinate credit documentation, update SAP quarterly.
Project Manager	Integrate LEED/BREEAM/Envision credits into construction sequence and submittals.
Procurement Manager	Ensure green material procurement and supplier disclosures (EPD, HPD).



Role	Responsibility
HSE Manager	Oversee energy tracking, waste control, and training compliance.
Site Superintendents / Foremen	Apply on-site best practices (water, dust, waste, noise controls).
QA/QC Manager	Verify documentation accuracy for credit submittals.
Corporate ESG Director	Consolidate reporting for annual sustainability disclosure.

6 KEY FOCUS AREAS

6.1 Energy & Carbon Management

- Meter and record diesel and electric use per project.
- Specify high-efficiency equipment ($\geq$ Tier 4 Final engines).
- Use LED temporary lighting.
- Conduct quarterly carbon report (MCS-EN-F07A).

6.2 Water Conservation

- Capture non-potable runoff for equipment washing and dust control.
- Monitor daily usage via tank meters or truck logs (MCS-EN-F07B).

6.3 Materials & Procurement

- Use EPD-certified cement substitutes (fly ash, slag).
- Track local / recycled content (MCS-EN-F07C).
- Require supplier Code of Conduct & anti-corruption certification.

6.4 Waste & Circular Economy

- Follow WMRP targets (MCS-EN-P03).
- Document reuse & recycling tickets in MCS-EN-F03.

6.5 Health, Safety & Community

- Implement Wellbeing initiatives (hydration zones, heat monitoring).
- Hire $\geq 10\%$ local workforce where possible.
- Conduct community noise briefings and CSR events.

6.6 Innovation & Digital Tracking

- Use IoT sensors for energy and temperature monitoring.
- Integrate data into Power BI / ESG dashboard (MCS-EN-F07D).

7 MONITORING & REPORTING

Indicator	Form Code	Frequency	Responsible
Energy Usage (kWh/L diesel)	MCS-EN-F07A	Weekly	Site Superintendent / EC
Water Consumption (gal)	MCS-EN-F07B	Weekly	EC
Waste Diversion (%)	MCS-EN-F03	Monthly	HSE Manager
Recycled Material Content (%)	MCS-EN-F07C	Monthly	Procurement
Carbon Intensity (tCO ₂ e / m ²)	MCS-EN-F07A	Quarterly	ESG Director
CSR / Community Events	MCS-EN-F07E	Quarterly	PM

8 AUDIT & REVIEW

- Internal review every six months by Sustainability Manager.
 - External LEED/BREEAM/Envision consultant audit annually.
 - Corrective actions documented in CAPA Log (MCS-QM-F09).
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9 APPROVALS

Reviewer	Department	Signature / Date	Comments
Project Manager	Operations		



Reviewer	Department	Signature / Date	Comments
HSE Manager	Safety & Environment		
Sustainability Manager	ESG Dept		
Executive Director	Corporate		
Client / Consultant	External		