

RENEWABLE CONDITION REPORT

ASSET ASSURANCE CERTIFICATE

Independent assessment | Real performance | Clear actions



CLIENT

Perth Renewable Leisure Club

SITE

Riverside Operations Centre

Perthshire

ASSESSMENT

20 October 2026

RCR ADVISORY

92

A

SAFETY

84

B

CONDITION

78

C

PERFORMANCE

65

C

DOCUMENTS

90

A

VALUE

PROTECTING RENEWABLE INVESTMENTS

RENEWABLE CONDITION REPORT

Sample completed certificate - commercial solar PV and battery storage

Certificate number	Client	Site	Assessment date
RCR-2026-000001	Perth Renewable Leisure Club	Riverside Operations Centre, Perthshire	20 October 2026

OVERALL STATUS	RENEWABLE ASSET INTEGRITY SCORE
RCR ADVISORY	83 / 100

Pillar	Score	Rating	Client meaning
Safety	92	A	No material safety concern identified within the sample scope.
Condition	84	B	Serviceable, with planned maintenance observations.
Performance	78	C	Material variance requires investigation and monitoring recovery.
Documentation	65	C	Important records and evidence require recovery.
Value	90	A	Asset remains valuable; optimisation opportunities identified.

Asset assurance statement

The sample renewable assets were assessed as operational and capable of continuing service within the stated scope. No immediate safety concern requiring urgent isolation was recorded in the synthetic example. The principal priorities are restoration of complete monitoring records, recovery of missing commissioning information and investigation of the measured generation variance. The outcome is therefore RCR Advisory, not RCR Verified.

Priority	Required action	Target category
1	Restore monitoring visibility and verify all data channels.	Within 30 days
2	Recover commissioning, DNO and warranty records.	Within 60 days
3	Investigate generation variance and affected PV strings.	Planned investigation
4	Review battery dispatch and export-control settings.	Optimisation review

Next review trigger: completion of priority actions or no later than 12 months from assessment, subject to the approved service policy.



1. RENEWABLE ASSET PASSPORT

Asset ID	Technology	Manufacturer / model	Rated capacity	Commissioned	Warranty position
GT-RCR-PRLC-PV-001	Solar PV	JA Solar modules / SolarEdge inverters	100 kWp	2021	Client records indicate active; evidence incomplete
GT-RCR-PRLC-BAT-001	Battery storage	Sample commercial lithium EESS	100 kWh	2021	Verification required
GT-RCR-PRLC-EV-001	EV charging	Four 22 kW charge points	88 kW connected	2021	Service record unavailable

Evidence and document status

Record	Status	RCR consequence
Single-line diagram	Available	Used to establish system topology.
PV commissioning results	Partial	Limits comparison with original acceptance values.
DNO / export record	Not supplied	Documentation action raised.
Battery commissioning record	Not supplied	Battery baseline cannot be fully verified.
Monitoring access	Available with 42-day historical gap	Performance confidence limited to EC-B.
O&M; manuals	Available	Retain in Asset Passport.

Assessment scope

Sample baseline assessment of accessible solar PV, battery storage, EV charging interfaces, monitoring information and records. The sample does not represent a structural survey, fire engineering assessment, whole-installation EICR, manufacturer service or intrusive investigation.



2. SAFETY AND CONDITION SCHEDULE

Ref	Inspection item	Outcome	Finding
S01	Isolation arrangements and accessible labels	Satisfactory	-
S02	Accessible DC cabling, support and enclosure condition	Satisfactory	-
S03	Inverter ventilation and accessible enclosure condition	Satisfactory	-
S04	Battery location, access and manufacturer clearances	Observation	S-BAT-001
S05	Emergency shutdown information	Observation	S-DOC-001
C01	Visible module condition and contamination	Observation	C-PV-001
C02	Accessible mounting and corrosion condition	Satisfactory	-
C03	Evidence of water ingress at accessible equipment	Satisfactory	-
C04	EV equipment external condition	Satisfactory	-

Key safety finding

Finding code	Severity	Confidence	Status
S-DOC-001	Minor	EC-A	Open
Observed condition	Emergency shutdown information was present but did not provide a single, clear sequence covering all sample renewable sources.		
Recommended action	Replace with a controlled site-specific shutdown notice after technical confirmation of the correct sequence.		

Key condition finding

Finding code	Severity	Confidence	Status
C-PV-001	Moderate	EC-B	Open
Observed condition	Localised bird fouling was recorded on the south-east array zone in this synthetic demonstration.		
Recommended action	Assess cleaning need against safe access, measured losses and manufacturer guidance rather than applying blanket annual cleaning.		



3. PERFORMANCE AND RETURN ASSURANCE

Metric	Expected / benchmark	Measured result	Variance / outcome	Confidence
Annual PV generation	92,000-98,000 kWh	84,500 kWh	Below range	EC-B
Monitoring completeness	Complete reporting period	88.5% available	42-day gap identified	EC-A
Battery operation	Daily charge/discharge evidence	Operation observed	Dispatch review required	EC-B
EV charging	Usage record supplied	Partial data	No full utilisation conclusion	EC-C

Performance conclusion

The synthetic measured PV result is below the stated RCR expected range. Because monitoring data contains a 42-day gap and original commissioning evidence is incomplete, the cause cannot be conclusively assigned. The appropriate outcome is investigation, not an unsupported claim that the system has failed to meet the original installer's sales forecast.

Value category	Sample result	Basis
Confirmed loss	£1,120	Illustrative outage energy multiplied by stated tariff basis.
Modelled exposure	£2,000-£4,500 per year	Illustrative range requiring validated data and approved assumptions.
Future risk	Unquantified	Monitoring gaps could delay identification of future outages.
Optimisation opportunity	Battery control and export review	Separate feasibility and commercial approval required.

Important financial limitation

All figures on this sample certificate are synthetic and for product-design purposes only. Financial outputs in a live RCR must show the exact data period, tariff basis, data gaps, assumptions and evidence confidence. They are decision-support estimates, not guarantees of future savings, prices, weather, degradation or asset life.



4. FINDINGS AND ACTION REGISTER

ID	Family	Severity	Finding	Required action	Owner / target
S-DOC-001	Safety / documentation	Minor	Shutdown sequence requires improvement.	Issue controlled site-specific notice.	Site manager / 30 days
C-PV-001	Condition	Moderate	Localised array fouling recorded.	Assess cleaning using access and performance evidence.	Asset manager / planned
P-MON-001	Performance	Major	42-day monitoring data gap.	Restore data channels and alarm ownership.	Monitoring lead / 30 days
P-GEN-002	Performance	Major	Measured generation below expected range.	Complete string/MPPT and downtime investigation.	PV specialist / 60 days
D-COM-001	Documentation	Moderate	Commissioning and DNO records incomplete.	Recover or reconstruct controlled asset record.	Client / 60 days
O-BAT-001	Opportunity	Opportunity	Battery dispatch review may improve value.	Complete separate controls and tariff review.	Energy lead / roadmap

Protect - Optimise - Decarbonise roadmap

Horizon	Decision path
PROTECT	Restore monitoring, improve emergency information, recover key records and investigate generation variance.
OPTIMISE	Review battery dispatch, export arrangements, EV load management and maintenance needs using verified data.
DECARBONISE	Assess additional PV, storage expansion, electrification and phased capital investment through separate feasibility work.



5. DECLARATION AND AUTHORISATION

This sample demonstrates the intended digital certificate output. In live use, declarations and signatures must be captured through the controlled RCR application and linked to the authorised assessor and reviewer records.

Role	Name	Electronic signature reference	Date
Lead assessor	Sample Assessor	DEMO-SIGN-001	20 October 2026
Independent technical reviewer	Sample Reviewer	DEMO-SIGN-002	20 October 2026
Authorised for issue	Sample Authoriser	DEMO-SIGN-003	20 October 2026

Certificate status

SAMPLE / DEVELOPMENT ISSUE

Not valid as a statutory certificate, compliance approval, warranty confirmation or live client assessment.

Greentech (Scotland) Ltd | Block 2, Unit 7, Dundyvan Industrial Estate, Coatbridge, ML5 4AQ | 01236 368846 | gt-scot.co.uk



GUIDANCE FOR RECIPIENTS

1. Purpose

The RCR gives a structured view of renewable asset safety, condition, performance, documentation and value within the stated scope.

2. Overall status

Verified means no material issue was identified within the scope and evidence was adequate. Advisory means planned improvement or investigation is required. Remedial means significant action is required. Critical means urgent risk control or specialist intervention is required. Inconclusive means evidence or access is insufficient.

3. Ratings

The five pillar ratings must be read individually. A favourable value or performance result cannot remove a safety concern.

4. Evidence confidence

EC-A is verified evidence; EC-B is substantiated; EC-C is indicative; EC-D is unverified. Missing information must not be treated as satisfactory.

5. Actions

A finding remains open until the defined closure evidence has been independently accepted. Client acceptance of risk does not convert an unsafe condition into compliance.

6. Limitations

The RCR is not an EICR, structural survey, fire-engineering assessment, statutory certificate, manufacturer service or guarantee of future return.

7. Records

Retain the issued certificate, technical schedules, photographs, calculation file, closure evidence and Asset Passport history together.

8. Reassessment

Consider reassessment after material alteration, major fault, safety incident, extended outage, ownership or monitoring change, or at the recommended review trigger.