Sample scenario · Synthetic data

Portfolio Report

Riverside Energy Portfolio · investor · monthly

Period: 2026-08-31 to 2026-09-06 (inclusive days)
Generated: 2026-09-08
Assurance: self_declared
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66626651e81242578f4c4877dd0288bcf468d083c18ef63a0a0e0d3371c651b6

1. Executive summary

1 SITES	**50 kW** CAPACITY	**0** CONNECTIONS
96.5% AVAILABILITY (EXCUSED-ADJUSTED)	**96.5%** AVAILABILITY (RAW)	**791 kWh** AC GENERATION
39.3% ACTUAL ÷ EXPECTED	**100.0%** RENEWABLE FRACTION	**99.4% / 100.0%** TELEMETRY DELIVERED / TRUSTED
0 COVENANT BREACHES		

States: FCT. Ledger coverage 100.0%; 100.0% of sites carry a complete ledger for the period. Currency basis: NGN; USD figures are not converted by the platform — Tariff and fuel price not supplied.

2. Covenant compliance

No covenants configured for this portfolio.

3. Operations

Metric	Portfolio
Expected energy (P50)	2,014 kWh
AC generation	791 kWh
Performance ratio (IEC 61724-1 ratio of sums across sites)	29.2%
Weather-corrected PR	32.4%
PV / grid import / genset / load	834 / 0 / 0 / 834 kWh

Metric	Portfolio
Diesel share of supply	0.0%

4. Data-quality statement

Telemetry delivered 99.4% of the catalog's expected samples; 100.0% of what arrived was trusted; 0 series were silent (<90% delivered). Synthetic producers present at 1 site(s). Flags: synthetic 1, ledger gaps 0, low delivered 0, low trusted 0, unpriced 1.

Site	Flag	Value
Riverside Industrial Solar	synthetic_producer	
Riverside Industrial Solar	unpriced	no_fuel_price_on_file

5. Economics (priced sites only)

Sites with a fuel price on file	0 of 1
Genset fuel	— L → unpriced
Revenue proxy (energy × resolved tariff)	unpriced (0 sites)
CO_2e avoided	— t (0 sites)

6. Asset health & replacement curve

Sites with PM predictions	0
Lowest battery SoH	—
Shortest battery RUL	Not evaluated: no_battery_rul_prediction
Highest inverter 90-day failure probability	—

7. Regulatory position

Resolved from a state instrument: 0 sites; federal pack: 1; default: 0. Packs: NERC-R-001-2026/inherited. Compliance reports in period: 0.

8. Limitations

- Gen318 holds operating data, not billing or receivables: collection rate, receivables-at-risk, repayment rate and DSCR are not measured here. The revenue figure is an energy-times-tariff proxy.
- Money is shown only where a site has a price on file: sites without a fuel price or a resolved tariff are reported unpriced, never estimated.
- Availability is computed from the site performance ledger; days without a ledger row are reported as ledger gaps, not as downtime or uptime.
- Telemetry quality is reported on two axes — delivered (against the catalog's declared cadence) and trusted (of what arrived) — because either alone can read 100% while the other is failing.
- Predictive-maintenance figures are model outputs with their calibration level; replacement-curve quantities are P50 expectations from the parts-demand run and carry prior-based hazards where the fleet has too few failures to fit.

- Guarantee statements and certificates are shadow (zero-liability) artefacts.
- This report is self-declared by the operator's platform; no independent verification agent has reviewed it unless stated in the evidence section.

9. Methodology

Availability	raw = in_service ÷ contracted minutes; excused-adjusted = in_service ÷ (contracted − grid_outage_excused − client_curtailment − force_majeure). no_data is never excused (SolarPower Europe O&M v5 §10.5.1 form; Gen318 client-uptime doctrine).
Energy vs expected	actual_ac_kwh ÷ expected_kwh from the daily performance ledger (P50 basis).
Telemetry quality	delivered_pct = received ÷ expected samples at the metric catalog's cadence; trusted_pct = accepted (quality ≤ 2) ÷ received. Synthetic (simulator) samples are declared.
Avoided emissions	PV kWh × site burn rate (L/kWh) × 2.68 kgCO2/L (DEFRA/IPCC diesel factor); PCAF avoided-emissions data quality 2 (unverified counterparty calculation) unless independently verified.
Regulatory position	Resolved per site from the state rule packs (NERC-R-001-2026 baseline; state instrument where one exists). 'federal' means the federal regulations apply under s.4(5)–(7).
Integrity	content_sha256 = SHA-256 over the canonical JSON of this report excluding generated_at; previous_report_sha256 chains the prior report of this portfolio.

10. Evidence

Compliance reports: 0 · Shadow statements: 0 · Shadow certificates (not independent certification): 1

11. Site annex

Site	State / pack	kW	Conn.	Avail. adj.	Actual ÷ exp.	Delivered / trusted	Ledger	Fuel cost
Riverside Industrial Solar	FCT · federal	50	0	96.5%	39.3%	99.4% / 100.0%	7/7	unpriced

Generated by Gen318 v1.0. Schema portfolio-report-v1. Shadow guarantee statements and certificates are zero-liability artefacts.