Sample scenario · Synthetic data

Service Availability Report

Riverside Industrial Solar

Period: 2026-08-31 to 2026-09-07
Start inclusive; end exclusive (timestamps in source report).
Generated: 2026-09-08
Report ID: gen318-uptime-2026-09-riverside-industrial-solar

Availability Summary

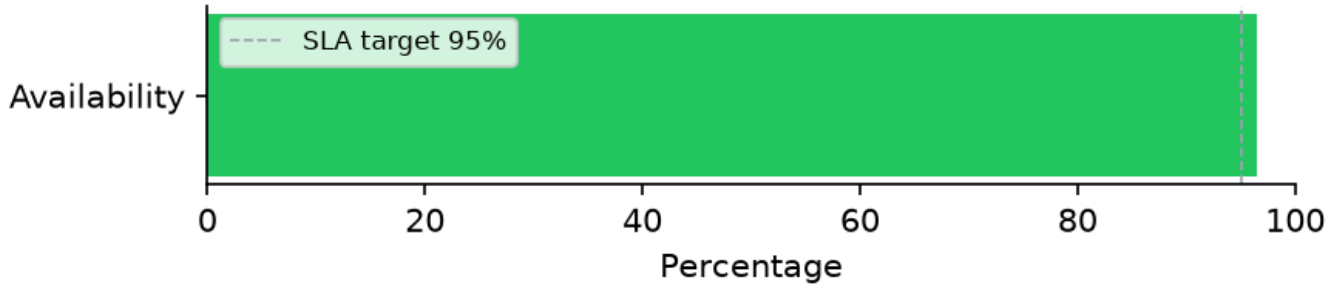
96.5%	779	74.3
AVAILABILITY	METERED KWH	HOURS OF SERVICE

Not evaluated	Not evaluated	Not evaluated
OUTAGES	TOTAL DOWNTIME	LONGEST OUTAGE

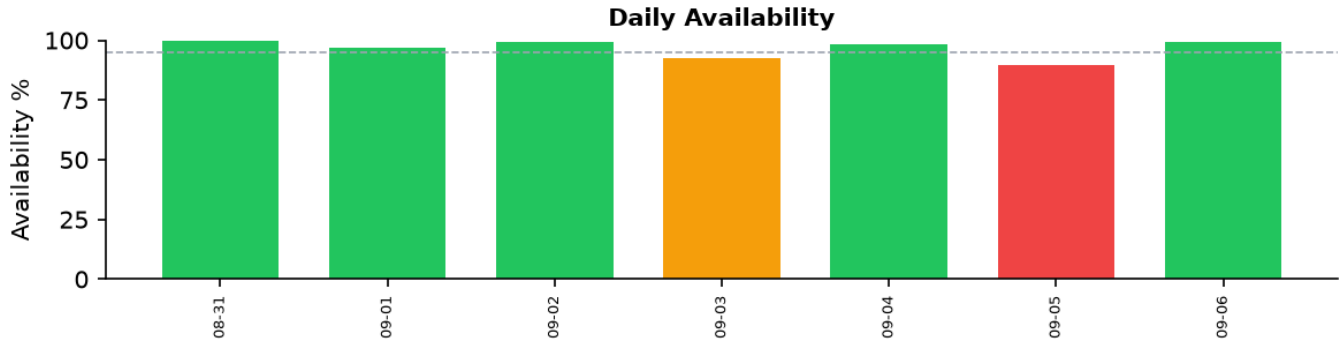
Service Level Statement

Contracted availability target: **95.0%**. Measured availability this period: **96.5%** (74.3 of 77.0 hours of demand). **The availability target was MET** (margin: +1.54 percentage points).

Availability vs Target



Daily Availability



Metered Delivered Energy

Metered delivered energy this period: **779.1 kWh**.

Date	Availability	Metered Energy (kWh)
2026-08-31	100.0%	114.8
2026-09-01	97.0%	121.4
2026-09-02	99.2%	116.0
2026-09-03	92.4%	95.4
2026-09-04	98.5%	113.2
2026-09-05	89.4%	100.6
2026-09-06	99.2%	117.6

Outage Log

Individual outage events are not derived from daily contract totals. Use the availability categories for service and missing-data minutes.

Contract Semantics

Service model: **Daylight PV (grid-tied)**. Availability is judged only over contracted time, with externally-caused stops excused per the service model — never approximated by telemetry coverage.

Availability by category

Category	Minutes
Contracted time	4620
In service	4460
Plant fault	100

Grid outage (excused)	0
Client curtailment (excused)	0
Force majeure (excused)	0
No data (unexcused)	60

Performance ratio

29.2%	32.4%	99.4%
PERIOD PR (IEC 61724-1 RATIO OF SUMS, 7 DAYS)	WEATHER-CORRECTED PR	COMPLETENESS (FLOOR 70%)

Source mix: No non-synthetic energy readings in the period.

Measurement Basis

Availability, service hours and daily percentages use the contract ledger, with excused time removed from the denominator. Missing daily rows remain unavailable. Individual outage events are not inferred from daily totals. Telemetry coverage for this period was 99.4%.

Expected-energy uncertainty

±15.0% (k=2, ~95%)

Applies to the period expected-energy total; avg_pr_pct divides by the IEC 61724-1 reference yield built from the same irradiance, so the band's irradiance term applies to it too; availability is a time measure and carries no expected-energy band. Basis: complete · 7 of 7 days carried a band, covering 100.0% of period expected energy. Method: expanded (k=2) band on period expected energy; the systematic irradiance-source term combined across days by energy-weighted mean (a source bias does not average down), the day-local completeness term by root-sum-square on absolute energy, and the two combined by root-sum-square.