

OffGridFlow Redacted Audit Packet

Case: Public SaaS case-study packet

Prepared for: Stakeholder review

Report type: California climate disclosure sample

Export date: 2026-02-04T11:06:00Z

Checksum: b7fd1f798bcfe0b67d43496696a2e52e

What this packet includes

- Source activity register excerpt
- Import replay and duplicate-protection proof
- Emission factor provenance and snapshot lock
- Immutable calculation ledger excerpt
- Approval trail and export reconciliation
- Governance export and deletion response shapes

Source Activity Register (excerpt)

Record	Source	Meter / Connector	Period	Region	Quantity	Quality
act-office-2026-01	utility_bill_csv	CAMX-HQ-01	2026-01	CAMX	3,112 kWh	measured
act-office-2026-02	utility_bill_csv	CAMX-HQ-01	2026-02	CAMX	2,984 kWh	measured
act-cloud-2026-01	aws_cost_and_usage	NWPP-AWS-01	2026-01	NWPP	4,406 kWh	measured
act-cloud-2026-02	aws_cost_and_usage	NWPP-AWS-01	2026-02	NWPP	4,212 kWh	measured

Annual office rollup: **36,556 kWh x 0.225 = 8.22 tCO2e**

Annual cloud rollup: **52,155 kWh x 0.252 = 13.14 tCO2e**

Import Replay and Duplicate Protection

Batch	Run	Rows received	Accepted	Duplicates	Rejected	Idempotency proof
imp-2026-02-03-001	Initial import	24	24	0	0	utility_bill:CAMX-HQ-01:2026-01
imp-2026-02-03-001-replay	Replay of same file	24	0	24	0	same keys reused; no new ledger rows created

Anomaly-to-Action Example

Alert ID: dq-2026-02-014

Category: sudden_change

Severity: high

Source record: act-cCloud-2026-09

Expected: 3,210 kWh

Actual: 5,182 kWh

Deviation: +61.4%

Resolution trail:

1. Detected: sudden change flagged by data-quality engine.
2. Assigned: owner set to `operator@company.com`, status moved to `in_progress`.
3. Commented: AWS billing export confirmed one-time model training workload.
4. Reviewed: `manager@company.com` accepted explanation.
5. Outcome: alert closed, totals unchanged, audit log retained.

Factor Provenance and Snapshot Lock

Factor ID	Source	Region	Value	Validity	Locked snapshot
grid-camx-2023	EPA eGRID 2023	CAMX	0.225 kg CO2e/kWh	2023-01-01 to 2026-12-31	snap-q1-2026-001
grid-nwpp-2023	EPA eGRID 2023	NWPP	0.252 kg CO2e/kWh	2023-01-01 to 2026-12-31	snap-q1-2026-001

Snapshot `snap-q1-2026-001` locked by `cfo@company.com` on `2026-02-04T11:00:00Z`.

Immutable Calculation Ledger

Ledger ID	Activity	Formula	Result	Actor	Timestamp	State
calc-camx-annual-2026	36,556 kWh office electricity	$36,556 \times 0.225$	8.22 tCO2e	operator@company.com	2026-02-03T14:22:00Z	draft
calc-nwpp-annual-2026	52,155 kWh cloud electricity	$52,155 \times 0.252$	13.14 tCO2e	operator@company.com	2026-02-03T14:23:00Z	draft

Approval Trail

State	Actor	Time	Note
Prepared	operator@company.com	2026-02-03T14:30:00Z	Imported 24 monthly activity records and reviewed factor selection
Reviewed	manager@company.com	2026-02-04T09:15:00Z	Confirmed line items against utility invoices and cloud billing export

Approved	cfo@company.com	2026-02-04T11:00:00Z	Approved for stakeholder review and locked factor snapshot
Exported	cfo@company.com	2026-02-04T11:06:00Z	Generated stakeholder PDF and checksum for reconciliation

Export Reconciliation

Field	Value
Report type	california
Purpose	stakeholder_review
Scope 1 at export	0.00 tCO2e
Scope 2 at export	21.368160 tCO2e
Scope 3 at export	0.00 tCO2e
Total at export	21.368160 tCO2e
Checksum	b7fd1f798bcfe0b67d43496696a2e52e
Reconciliation result	checksum match = true, drift = 0.00%

Governance Execution Proof

GET /api/governance/export returns:

- exported_at
- tenant_id
- tenant_name
- users
- activities
- calculation_ledger
- change_log

POST /api/governance/delete-request returns:

- status = deletion_requested
- retention_days = 30
- deletion_date
- deletion guidance for pre-delete export

Notes

This packet is a redacted public sample aligned to the public case-study numbers and the documented entity model, checksum logic, governance endpoints, and approval workflow exposed by OffGridFlow.