



GreenOps

Carbon & Cost Reduction Report

AWS | Region: us-east-1 | Account: default (000000000000)

Generated: 2026-10-12T11:19:18.392Z

N/A

Total Spend / mo

\$351

Est. Savings / mo

4 kg

Est. CO2 Reduction / mo

8

Findings

\$4218

Est. Savings / yr

0

Flights/yr

2

Trees/yr

225

km driven/yr

Preventing carbon from being emitted — not just offsetting it.

Executive Summary

This report presents the results of a GreenOps infrastructure scan conducted on 2026-10-12T11:19:18.392Z. The scan analyzed your AWS account (default (000000000000)) in the us-east-1 region to identify opportunities for cost optimization and carbon emission reduction.

Key Metrics

Total findings identified	8
Estimated monthly cost savings	\$351.49
Estimated annual cost savings	\$4217.88
Monthly carbon reduction potential	3.94 kg CO2
Annual carbon reduction potential	47.29 kg CO2

Detailed Findings

HIGH EC2 EC2 Instance Old-gen t3.xlarge — upgrade to t4g.xlarge (Graviton ARM)

4 affected resource(s) • \$194.36/mo • 2.00 kg CO2/mo • MEDIUM confidence

Affected resources:

- i-35e036ed44f460127 • \$48.59/mo
- i-1becffd92998d3aae • \$48.59/mo
- i-c25cce6455e35ee05 • \$48.59/mo
- i-684da42b483691a5c • \$48.59/mo

HIGH S3 S3 Bucket Versioning enabled without lifecycle — old versions accumulate indefinitely

1 affected resource(s) • \$15.00/mo • 0.80 kg CO2/mo • MEDIUM confidence

Affected resources:

- greenops-demo-shop-assets-prod • \$15.00/mo

MEDIUM EBS-SNAPSHOTS EBS Snapshot 565 snapshots totaling 8475 GB (\$424/mo)

1 affected resource(s) • \$127.13/mo • 0.63 kg CO2/mo • MEDIUM confidence

Affected resources:

- 565 total snapshots • \$127.13/mo

MEDIUM S3 S3 Bucket No lifecycle policy — data stored in Standard tier indefinitely

1 affected resource(s) • \$10.00/mo • 0.50 kg CO2/mo • MEDIUM confidence

Affected resources:

- greenops-demo-shop-assets-prod • \$10.00/mo

MEDIUM EC2 EC2 Instance Stopped instance (t3.large) — still incurring EBS storage costs

1 affected resource(s) • \$5.00/mo • 0.01 kg CO2/mo • MEDIUM confidence

Affected resources:

- i-2e379606e41529790 • \$5.00/mo

Environmental Impact

By implementing the recommendations in this report, your organization can prevent 47.3 kg of CO2 emissions annually. Instead of offsetting carbon by planting trees, this reduction prevents carbon from being emitted in the first place.

What This Means:

225 km/year

Equivalent to driving a diesel car

2 trees

Trees needed to offset annually

5,910 charges

Smartphone charges equivalent

Carbon calculations use regional grid carbon intensity data from the Green Software Foundation and Cloud Carbon Footprint methodology. Region us-east-1 grid intensity was applied.

Top Recommendations

1. Switch to t4g.xlarge for ~40% cost reduction and ~60% lower carbon

Affected resources: 4 • Savings: \$194.36/mo • Carbon: 2.00 kg CO2/mo • MEDIUM confidence

Affected resources:

- i-35e036ed44f460127
- i-1becffd92998d3aae
- i-c25cce6455e35ee05
- i-684da42b483691a5c

2. Audit snapshot usage — consider Amazon Data Lifecycle Manager for automated policies

Affected resources: 1 • Savings: \$127.13/mo • Carbon: 0.63 kg CO2/mo • MEDIUM confidence

Affected resources:

- 565 total snapshots

3. Add lifecycle rules to expire old object versions after a set period

Affected resources: 1 • Savings: \$15.00/mo • Carbon: 0.80 kg CO2/mo • MEDIUM confidence

Affected resources:

- greenops-demo-shop-assets-prod

4. Add lifecycle rules to transition old objects to Glacier/Deep Archive or delete expired objects

Affected resources: 1 • Savings: \$10.00/mo • Carbon: 0.50 kg CO2/mo • MEDIUM confidence

Affected resources:

- greenops-demo-shop-assets-prod

5. Terminate if no longer needed, or create an AMI and delete the instance

Affected resources: 1 • Savings: \$5.00/mo • Carbon: 0.01 kg CO2/mo • MEDIUM confidence

Affected resources:

- i-2e379606e41529790

Actionable Steps Available in Paid Plan

Detailed remediation commands and code diffs are available for paid accounts. Upgrade to get step-by-step instructions to fix these issues and reduce your cloud costs.

Visit <https://greenops.cloud> to upgrade your account

Module Breakdown

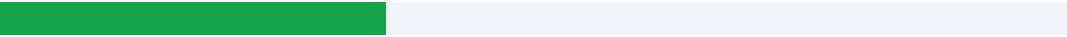
S3

2 findings | \$25.00/mo savings | 1.30 kg CO2/mo reduction



EBS-SNAPSHOTS

1 findings | \$127.13/mo savings | 0.63 kg CO2/mo reduction



EC2

5 findings | \$199.36/mo savings | 2.01 kg CO2/mo reduction



Want to automate this across your entire organization?

Join the GreenOps cloud platform for automated monthly CSRD compliance audits, real-time monitoring, and team dashboards.

<https://greenops.cloud>

