



ENVIRONMENTALLY CONSCIOUS LEGAL TECH

Mirmi AI: **Green Legal Automation**

A highly efficient, paperless, low-emission automation partner designed for modern legal operations with B-Corp aspirations.

The Physical Cost of Law



100k

SHEETS / YEAR / LAWYER

Eliminating Systematic Waste

Traditional legal practices are notoriously paper-intensive. A widely cited survey by Washington, D.C. firm **Arnold & Porter** found that a typical lawyer generates 20,000 to 100,000 sheets of copy paper annually. At the upper limit, this translates to roughly **50 pages an hour**.

Mirmi AI converts manual, paper-reliant filing, search, and review processes into robust, instantaneous digital assets, sparing forests and reducing supply chain transit waste.

CITATION: ARNOLD & PORTER LLP, GREEN INITIATIVE SURVEY & ENVIRONMENTAL AUDITS

A Paperless Legal Ecosystem



1000s

PAGES NOT PRINTED

By moving client intake, contract review, and document processing fully into the cloud, Mirmi AI eliminates the need for physical printing in core workflows. One tree produces roughly 8,300 pages of paper*. **Our platform helps legal teams avoid printing thousands of pages per month.**

Reduced

DATA REDUNDANCY

Instead of creating, emailing, and storing multiple versions of the same contracts and documents, Mirmi performs on-the-fly validation and **keeps only what's necessary.**

This significantly reduces redundant storage and lowers the infrastructure load required to manage and back up unnecessary data copies.

*CONSERVATREE (BASED ON TOM SODER'S CALCULATION)

Intelligent Lean-Compute Architecture

Most legal AI wastes compute by routing every task to large LLMs. Mirmi AI uses intelligent routing - applying heavy models only to complex tasks while running lighter, deterministic systems elsewhere. We host our pipeline on Scaleway DC5 with adiabatic cooling.

~100x

LOWER WATER USE

per kWh than typical AI data centers (WUE 0.014 vs ~1.8 L/kWh)

30-40%

LOWER ENERGY OVERHEAD

vs traditional infrastructure (PUE 1.25 for AI workloads)

SCALEWAY DATA CENTER SUSTAINABILITY & DC5 WATER EFFICIENCY METRICS



Lean Query Efficiency

Comparing the resource intensity of our localized legal pipeline against industry standards.



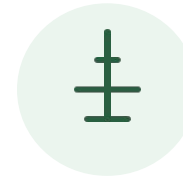
Water Consumption

~8–12X LESS

WATER USED PER QUERY

Our optimized LLM requires only **0.084 ml** of water per query*

In comparison, a standard GPT-4o short query consumes approximately **0.7 – 1.5 ml** of water^



Carbon Footprint

~3–6X LESS

EMISSIONS GENERATED

Our footprint is capped at **3.884 kg CO₂eq** per month (entire platform)*

A single standard GPT-4o query generates **~4 – 8 g** depending on localization^

* SCALEWAY MIRMi AI ENVIRONMENTAL FOOTPRINT REPORT - JUNE 2026; BASED ON CURRENT USAGE PATTERNS

^ HOW HUNGRY IS AI? BENCHMARKING ENERGY, WATER, AND CARBON FOOTPRINT OF LLM INFERENCE, N. JEGHAM ET AL. 2025

Audit-Backed Metrics

Operational Category	Monthly Water Consumption	Monthly Carbon Footprint
Compute & Instances (Standard & L4 Nodes)	0.494 L	6.270 kg CO ₂ eq
Managed Databases (PostgreSQL / MySQL DEV)	0.240 L	5.611 kg CO ₂ eq
Storage (Volume Low Latency & Object Storage)	0.262 L	8.866 kg CO ₂ eq
TOTAL ENTIRE PLATFORM SYSTEM FOOTPRINT	0.996 L	20.747 kg CO₂eq

Water Achievement: Consuming less than 1 liter of water per month (**0.996 L**) - roughly the water required to wash just one load of laundry, but used for the entire platform.

Carbon Achievement: **~21 kg CO₂eq/month** is less than a 100-110 km car journey.

Many single contract negotiations generate more cumulative digital emissions through email chains, attachments, and redundant storage alone.

The Architectural Contrast: Traditional always-on LLM approaches for similar workloads typically consume significantly more resources. **By executing heavy models only when strictly necessary, Mirmi AI preserves both computing power and planetary resources.**

Our Sustainability Approach



Sustainable by Design

Mirmi AI is designed with sustainability in mind. We use heavy LLMs only for complex legal tasks and lighter systems for routine work, while making infrastructure choices that prioritize lower energy and resource consumption.



B-Corp Aspirations

We are considering B-Corp certification as we continue to strengthen our social and environmental practices, transparency, and accountability.



Responsible Impact

We are on the path to reducing our environmental impact by offsetting emissions from our core operations and supporting vetted reforestation and marine conservation initiatives.

The Green Legal Future

Join us in building a carbon-conscious, ultra-efficient, paperless legal industry.

Learn more or book a demo: www.mirmi.ai