



ANURAK

LODGE

Annual Report 2024

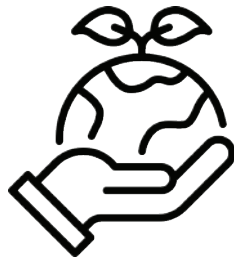
Stay in Comfort, Surrounded by Nature

Sustainability at Anurak Lodge

Anurak Lodge is continually working to improve the impact we have on people and places. We understand that our business activities impact the earth, our resources and the well-being of local communities. We aim to conserve resources, champion and preserve natural habitats and communities and prevent pollution.

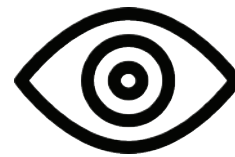
To achieve this, we are adopting recognized best practices in sustainable tourism, investing in staff training, and working closely with local partners. We are also building a culture of continuous improvement, where progress is measured, lessons are shared, and goals are regularly reviewed to ensure that we continue to have a positive impact within the Khao Sok region.

Our sustainability program focuses on four key areas: **natural environment, socioeconomics, lodge infrastructure, and guest experience.**



Mission

To preserve and improve our natural environment and contribute to the social economic base of the communities in the vicinity of the resort by creating more awareness and sharing knowledge about sustainability with our staff, the community and our guests.



Vision

Become an example in the industry for creating and sharing concepts of sustainable practices.

Commitments



Our Natural Environment

Anurak Lodge is committed to protecting the local flora and fauna in the Khao Sok region. This is shown through our greenhouse gas & biodiversity commitments:

- **Greenhouse Gases**
We are committed to reducing our greenhouse gas emissions by reducing the consumption of water, energy & the overall amount of solid waste produced by our operations.
- **Biodiversity**
We are committed to protecting and supporting local biodiversity in the Khao Sok region through our efforts on property and through partnering with locals to protect the surrounding areas.



Socioeconomics

Anurak Lodge is committed to supporting education initiatives that benefit the Khao Sok region. Each year, a percentage of our revenue is dedicated to community projects, reinforcing our long-term commitment to positive local impact.

Next to this, we are also committed to protecting the local livelihood of our community members. This is shown in our human rights & child protection commitments:

- **Human Rights**
We are committed to respecting and protecting human rights. We believe that everyone should be treated fairly and with respect. As part of this commitment, we regularly train our staff about preventing discrimination.
- **Child Protection**
We are committed to safeguarding the welfare of children and young people. We have a policy of always reporting suspected instances of child exploitation and abuse to the police. We encourage our guests, staff and visitors to report their own concerns about child exploitation and abuse to the local police by calling 191.



Lodge Infrastructure

Anurak Lodge is committed to reducing water, energy and waste and adjusting our lodge infrastructure to accommodate our goals. We encourage natural room ventilation and have removed bathtubs to reduce excessive water use. Single-use plastics are also minimized, and all menus, napkins, and printed materials use recycled paper.



Guests Experience

Anurak Lodge is committed to creating an experience that benefits both travelers and the environment. From sustainable guest activities to in room features. We invite guests to participate in our sustainability efforts, from reducing energy use in guest rooms to offsetting their carbon footprint through our Rainforest Rising program.

Our impact in 2024

As of October 2024, Anurak Lodge began recording data (including CO2 emissions) across key categories: energy, water, waste, hazardous substances, purchased food, and single-use plastic.

These figures will serve as the baseline for 2025, as we continue to measure progress, identify reduction opportunities, and set meaningful sustainability targets for future years.

Our Natural Environment

Rainforest Rising

In 2024, Anurak Lodge continued advancing its regenerative efforts through reforestation, composting, and food production. As part of our Rainforest Rising project, we planted 32 native trees, including:

- Payom (10)
- White Thingan (8)
- Santol (6)
- Mahogany (6)
- Ta Sae (2)

These were specifically chosen to support biodiversity and restore degraded land.



Composting

In addition to traditional trench composting of garden waste, we introduced Bokashi composting to ferment kitchen food scraps and accelerate nutrient cycling on site.

Vegetable Garden

Our vegetable garden, launched in late October, quickly became productive yielding 15–20 kilograms of herbs, cucumbers, kale, and morning glory daily by December. Excess produce not used in the kitchen was sold to a local shop, reinforcing our commitment to closed-loop systems and local economic support.



Socioeconomics

In 2024, Anurak Lodge supported the local community by donating cash and sports equipment to the nearby school, temple, and OrborTor (local subdistrict administrative organization). Donations included footballs, takraw balls, and badminton sets, and were given during key community occasions such as Children’s Day, the Thord Kratin festival, and the Chak Phra ceremony. These contributions reflect our ongoing commitment to community engagement and cultural celebration in the Khao Sok region.



Lodge Infrastructure

In 2024, Anurak Lodge enhanced its water infrastructure by digging a new well and installing 24,000 liters of clean water storage, supported by a three-stage filtration system and UV sterilization. This upgrade ensures a more reliable and safe water supply for guests and staff while supporting our long-term water management goals.



Guest Experience

At Anurak Lodge, we are continuously exploring ways to enhance the guest experience while staying true to our values of community engagement. Although we prioritize off-site activities that support local communities and showcase the surrounding region, we also recognize the importance of creating meaningful on-site experiences.

In 2024, we updated our Treasure Hunt activity, an interactive way for guests to explore the lodge grounds and discover native plants from the Khao Sok region.



To further enrich the guest journey, we also introduced new bicycles, allowing visitors to comfortably explore the beautiful landscapes and local villages surrounding the property.



Emissions & Consumption comparison 2023 vs 2024

Current Period : January 2024 to December 2024

Previous Year Period : January 2023 to December 2023

Classification	This Year Total	Last Year Total	% Change from Last Year
Mains electricity and Gas (kWh)	109,439.00	85,540.00	28%
Mains electricity and Gas (kWh) P/Guest night	28.8	25.4	13%
Mains Electricity (kg CO ₂ e)	60,202.39	47,132.54	28%
Mains Electricity (kg CO ₂ e) P/ Guest night	15.8	14.0	13%
Water sourced directly (m ³)	4,264.38	4,363.70	-2%
Ave. consumption per guest night (m ³)	1.1	1.3	-14%
Ave. emissions per guest night (kg CO₂e)	21.24	14.00	51.71%

Energy & Emissions:

- Total mains electricity & gas usage rose from **85,540kWh to 109,439kWh** (+28%).
- On a per guestnight basis: **25.4 → 28.8kWh** (+13%).
- CO₂ emissions increased similarly: total **47,133 → 60,202kg** (+28%), and per night **14.0 → 15.8kg** (+13%).

Water:

- Total water usage slightly decreased: **4,363.7 → 4,264.4m³** (-2%).
- Water per guestnight improved significantly: **1.3 → 1.1m³** (-14%).

CO₂ Intensity:

- Average emissions per guest night sharply increased: **from 14.00 kg to 21.24 kg** (+51.7%).

Renovation activities—like installing pumps, relocating the Jungle Hut cooking center, and returning guestroom energy card switches to service—likely drove higher energy consumption. At the same time, water efficiency measures appear successful.

Benchmarking Context

- **Typical hotel energy use per guest night** varies widely: studies show CO₂ intensity in the range of ~6.3 to 28.9kg CO₂e per guestnight
- Many European and tropical coastal hotels target **below 15kg CO₂e per guestnight**; only highstar, highamenity resorts may exceed that
- Global averages for energy intensity per square meter run between **60–200kg CO₂/m² annually**, depending on climate and building standard
- Water benchmarks for “excellent” performance are under **0.5m³ (500L) per guestnight**; above 0.9m³ is considered excessive

Key takeaway: With 21kg CO₂e/guestnight and ~1.1m³ water/guestnight, you’re within typical ranges—but the sharp rise in energy/emissions intensity deserves attention.

Insights & Recommendations

Positive Developments:

- Water intensity decreased, reflecting effective efficiency upgrades.
- Guestroom energy card switches brought back online should aid future savings.

Areas to Address:

- **Higher energy/emissions intensity per guestnight** now exceeds 15kg CO₂e, nearing upper-quartile levels.
- One-time renovation energy costs (e.g. pump house) may distort baseline comparability.

Strategies for Improvement:

- Implement **energy monitoring** across key consumption zones (e.g., kitchen and F&B, pump systems).
- Consider **renewable options**, such as solar PV or heat pumps, to offset grid electricity—similar hotels have cut emissions dramatically using renewables
- Establish a **static baseline** for emissions if structural changes (like renovations) significantly alter energy usage, following Greenhouse Gas Protocol guidance

Summary Table

Area	Status	Action Suggestion
Energy per guestnight	↑ beyond typical (~15kg)	Monitor, target reductions, renewables
Water per guestnight	Improved (~1.1m ³)	Continue efficiency measures
CO ₂ per guestnight	Elevated (21kg)	Implement lowcarbon tech, baseline update
Renovation impact	Likely inflated 2024 baseline	Consider adjusting baseline

Final Thoughts

While our renovation activities likely account for much of the 2024 increase in energy and emissions, the increase in perguestnight carbon indicates an opportunity to optimize, especially in alignment with industry benchmarks. Leveraging best practices—energy monitoring, renewable energy deployment, static baselines—can drive our performance back toward & below the typical 6–28kg CO₂e range, ideally closer to 10–15kg.



Looking ahead in 2025

- **Goal 1:**
Establish a Green Team to drive sustainability within operations
- **Goal 2:**
Implement the 4C framework: Conservation, Community, Culture, Commerce across all operations
- **Goal 3:**
Conservation: Restore soil health within the property through regenerative land management methods
- **Goal 4:**
Community: Integrate and enhance sustainable procurement practices across all departments
- **Goal 5:**
Culture: Enhance sustainable storytelling around the property and highlight the natural heritage of Khao Sok
- **Goal 6:**
Commerce: Successfully complete the Travelife recertification process
- **Goal 7:**
Reducing our greenhouse gas emissions from energy, water and waste by 50% before the end of 2030.

Join us in making a positive impact, whether by saving water and energy during your stay, partnering with us on sustainable practices, or growing with us as part of our dedicated team!