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# Embudu Village Resort - Travelife Sustainability Report 2024

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## Embudu Village Resort

*Embudu, Maldives*

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## 1. Introduction

### About Embudu Village Resort

Embudu Village Resort, nestled in the Maldives, is committed to providing a relaxing experience while prioritizing sustainable and responsible tourism. The resort integrates environmental protection, community support, and employee well-being as key elements of its mission.

Embudu Village seeks to be a leader in sustainable hospitality in the Maldives.

### Sustainability Mission Statement

Our mission is to operate in harmony with the natural environment, minimize our ecological footprint, and positively contribute to the local community. This report reflects our annual progress and future ambitions to achieve these goals.

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## 2. Environmental Sustainability Policy

### Policy Overview

Embudu Village Resort has developed a comprehensive sustainability policy focused on conserving resources, reducing waste, and promoting eco-friendly practices in all aspects of resort operations. We are committed to making every effort to preserve the natural beauty of the Maldives and promote a sustainable future for generations to come.

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## 3. Energy Management

### Solar PV System

Since 2017, Embudu Village has implemented a solar photovoltaic (PV) system in phases, resulting in a current total installed capacity of 110 kW. The installation phases are as follows:

- **2017 Installation:** 39 kW (132 panels, 300W each)
- **2018 Installation:** 20 kW (72 panels, 300W each)
- **2019 Installation:** 30 kW (102 panels, 300W each)
- **2023 Installation:** 22 kW (40 panels, 550W each)

The solar PV system has significantly reduced the resort's reliance on diesel-powered generators, leading to cost savings and a reduction in greenhouse gas emissions.

### Energy Savings

By using solar power, the resort has saved an estimated 87 kWh/day and reduced diesel consumption by approximately 25 liters per day. With diesel priced at USD 0.98 per liter, these savings represent a significant environmental and economic benefit.

### Achievements 2024

- 25 liters of diesel saved per day
  - Reduction in CO<sub>2</sub> emissions as a direct result of using renewable energy sources
  - Progress toward carbon neutrality in energy consumption
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## 4. Water Management

### RO Plant and Energy Efficiency

The resort operates three Reverse Osmosis (RO) plants with a total capacity of 150 tons and an Energy Recovery Turbo Unit to minimize energy use. The RO plant's energy-efficient upgrades

include reduced amperage and optimized pressure settings, ensuring high water quality with lower power consumption.

### **Achievements**

- Improved water quality and production efficiency
- 16 A reduction in power consumption, saving an estimated 87 kWh daily
- Diesel savings of 25 liters per day due to reduced generator load

### **Future Goals**

Further upgrades to the RO plant are planned to enhance efficiency and minimize environmental impact. We aim to integrate water-saving technologies and optimize maintenance to reduce energy consumption further.

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## **5. Waste Management**

### **Waste Reduction Initiatives**

Embudu Village Resort has prioritized minimizing waste and increasing recycling efforts. Our waste management program includes recycling, composting organic waste, and reducing single-use plastic throughout the resort. The resort also engages with local waste management services to dispose of waste responsibly.

### **Achievements 2024**

- Reduction in single-use plastics by switching to reusable alternatives
- Recycling efforts have increased, with dedicated bins placed throughout the property
- Reduced paper usage by shifting to digital formats for internal communication and guest information

### **Future Targets**

- Implementing a complete ban on single-use plastics
  - Developing partnerships with local organizations to recycle or repurpose more waste
  - Continuing to educate guests and staff on waste reduction practices
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## **6. Greenhouse Gas Emissions**

### **Carbon Footprint Reduction**

Through the combined efforts of our solar PV system and energy-efficient RO plant, Embudu Village Resort has reduced diesel consumption and greenhouse gas emissions. The resort is

currently evaluating options for offsetting remaining emissions and expanding renewable energy sources.

### **Achievements 2024**

- Reduction in greenhouse gas emissions directly correlated with diesel savings from solar power
- Comprehensive tracking and reporting of emissions to identify areas for further reductions

### **Future Plans**

To achieve even greater reductions, Embudu Village is exploring additional renewable energy sources and ways to further decrease its carbon footprint. Plans are underway to engage in carbon offset initiatives, such as reforestation projects.

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## **7. Biodiversity Conservation**

### **Marine and Terrestrial Conservation**

As part of our dedication to protecting the natural beauty of the Maldives, Embudu Village Resort has implemented conservation measures that include protecting coral reefs and marine life. The resort discourages harmful activities like coral collection and emphasizes responsible snorkeling and diving practices.

### **Achievements**

- Ongoing reef monitoring and conservation programs
- Collaborations with local organizations to support marine life protection

### **Goals**

- Expand education programs for guests on biodiversity conservation
  - Increase involvement in local conservation projects
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## **8. Corporate Social Responsibility (CSR)**

### **Supporting the Local Community**

Embudu Village Resort is committed to supporting the local community by hiring locally, promoting local businesses, and participating in community service activities. The resort collaborates with local suppliers to support sustainable development and minimize transportation emissions.

### **Achievements 2024**

- Increase in local hiring and supplier engagement
- Support for community initiatives, including educational programs and environmental awareness campaigns

### **Goals**

- Strengthening partnerships with local artisans and vendors
  - Expanding community involvement through sponsorship of local environmental projects
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## **9. Employee Welfare**

### **Health and Safety**

Employee well-being is a priority at Embudu Village, and the resort provides training, safe work practices, and fair compensation. Health and safety protocols are regularly updated, and staff undergo training on sustainable practices and energy conservation.

### **Achievements 2024**

- Introduction of training sessions on sustainability and health protocols
- Improved working conditions and access to personal protective equipment (PPE)

### **Goals**

- Continued emphasis on training and development
  - Enhanced safety measures and welfare programs
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## **10. Compliance and Certifications**

### **Legal Compliance**

The resort is fully compliant with Maldivian labor, environmental, and health regulations. Additionally, Embudu Village adheres to Travelife’s sustainability standards, aiming for certification to validate its ongoing sustainability initiatives.

### **Certifications**

Embudu Village has achieved key milestones in its journey toward sustainable operations. It is committed to securing Travelife certification and other recognitions that reflect its dedication to sustainability.

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## **11. Customer Relations**

### **Guest Engagement in Sustainability**

Guests at Embudu Village Resort are encouraged to participate in eco-friendly activities and minimize their environmental impact during their stay. The resort provides information on sustainability practices, helping guests make environmentally conscious choices.

### **Achievements**

- Implementation of informational guides on energy conservation and waste reduction
- Positive feedback from guests on sustainability efforts

### **Goals**

- Enhance guest education on sustainable practices
  - Expand eco-friendly activities and guest participation in conservation efforts
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## **12. Future Goals and Reporting**

### **Ongoing Reporting and Transparency**

The resort is committed to providing annual sustainability updates and involving stakeholders in its journey toward a more sustainable future. This report is part of an ongoing effort to communicate achievements and set goals for continued improvement.

### **Future Goals for 2025**

- Increase solar energy capacity by an additional 50 kW
  - Further reduce diesel consumption and enhance carbon offset initiatives
  - Achieve zero single-use plastic by 2025
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### **Conclusion**

Embudu Village Resort is proud of its progress in sustainability and is committed to setting new benchmarks in eco-tourism in the Maldives. Our comprehensive approach to sustainability includes conserving resources, reducing waste, and engaging the local community to create a model of responsible hospitality that others may follow.