

WHITE DESERT PATHWAY TO NET ZERO BY 2050 POLICY

Objective: White Desert is committed to achieving Net Zero greenhouse gas (GHG) emissions by 2050, aligning with the Science-Based Targets initiative (SBTi) and the Paris Agreement's 1.5°C climate change scenario. The policy outlines strategies to reduce carbon emissions across all operations while maintaining the highest environmental standards in Antarctica.

Key Commitments:

1. Greenhouse Gas Reporting and Monitoring:

- Annual reporting in accordance with the Greenhouse Gas Protocol.
- Monitor progress against Science-Based Targets and Net Zero goals.

2. Sustainable Aviation Strategy:

- Reduce aviation emissions through the use of Sustainable Aviation Fuel (SAF), which offers up to 80% carbon savings over conventional jet fuel.
- Explore additional options such as SAF "book and claim" schemes and SAF use for intercontinental and intracontinental flights.
- Partner with aviation operators aligned with GHG monitoring and reduction initiatives

3. Renewable Energy and Electrification Programme:

- Achieve 70% renewable energy provision across all camps by 2035.
- Install photovoltaic panels for electricity generation and water heating across camps
- Increase electrification of camp utilities, including kitchen appliances and hot water services.
- Explore the use of electric vehicles for mobility in the future.

4. Carbon Offsetting:

- Offset residual emissions through certified carbon offsetting schemes.
- Invest in blue-carbon and habitat restoration projects through the White Desert Foundation.

5. Operational Efficiency:

- Improve fuel efficiency of aircraft, vehicles and plant equipment.
- Operational and logistical efficiencies
- Implement sustainable procurement strategies to upgrade fleet and equipment.
- Reduce waste generation and increase recycling rates.
- Use of alternative, low carbon fuel for vehicles and paint

6. Environmental Monitoring and Reporting:

- Conduct annual environmental monitoring, including air quality, fuel use, and GHG emissions.
- Expand monitoring to include new activities.

Future Goals:

- Update the Net Zero Strategy to reflect operational changes, including the establishment of Qana Camp.
- Develop sector-specific targets for aviation and other operations based on updated SBTi guidelines.
- Continue to refine carbon and energy reporting
- Maintain White Desert's leadership in sustainable tourism and environmental stewardship in Antarctica.