

# **Black Diamond Drilling Group Carbon Zero Plan**

Version: 2.0  
Effective Date: 8-5-2024  
Last Updated: 04-04-2026  
Created by: Winnie Wang  
Approved by: Andy Yang Managing Director



## 1. Executive Summary

Black Diamond Drilling Services Australia (BD Drill) is committed to a sustainable future by reducing our carbon footprint through innovation and responsible operations. Our strategy focuses on harnessing renewable energy, improving energy efficiency, and transitioning to a zero-emission fleet.

## 2. Renewable Energy Milestones

We have made significant investments in solar infrastructure to power our manufacturing and administrative hubs:

- **Solar Infrastructure:** Successfully installed **over 7,000 solar panels** on our factory roof.
- **Clean Energy Impact:**
  - **100% solar-powered offices**, achieving zero grid-dependency for administrative operations.
  - **30% of factory operations** are currently powered by solar energy.
- **Environmental Benefit:** This initiative results in an estimated **300 metric tonne reduction in CO<sub>2</sub> emissions** annually.
- **Operational Efficiency:** These green initiatives have contributed to a **10% reduction in production costs**.

## 3. Sustainable Warehouse Operations

We are optimizing our day-to-day warehouse logistics to minimize energy waste:

- **Natural Light Optimization:** Our warehouse facility is designed to maximize the use of **natural lighting**, significantly reducing the need for artificial overhead lighting during daylight hours.
- **Climate Control Efficiency:** Periodic maintenance and upgrades to our HVAC systems (e.g., airflow balancing and intake optimization) ensure energy-efficient cooling and heating across all office and warehouse spaces.

## 4. Green Fleet & Equipment Transition

A key pillar of our Carbon Zero Plan is the modernization of our material handling and transport equipment:

- **Electric Forklift Initiative:** We are progressively replacing traditional internal combustion forklifts with **electric-powered models** to eliminate on-site tailpipe emissions.
- **Modern Vehicle Standards:** Our fleet maintenance programs ensure that transport vehicles are kept in peak condition to maximize fuel efficiency and reduce carbon intensity per kilometre.



**Black Diamond**  
**BD Drill Drilling Services Australia**



## 5. Future Commitment

BD Group continues to lead the way in sustainable manufacturing. We are dedicated to:

- Further expanding our solar capacity to increase the percentage of renewably powered manufacturing.
- Implementing strict waste management and recycling protocols across all sites.
- Upholding the highest **ESG principles** to protect the planet for future generations.