



Harmony Gold Mining Company Ltd
Energy Efficiency and Climate Change Policy

Applicability

This policy applies to all Harmony wholly owned and managed operations.

Introduction

Harmony has predominantly deep level underground operations; they are energy intensive and consequently a contributor to greenhouse gases and climate change. Recognising our contribution to greenhouse gases, Harmony is committed to take action to reduce its carbon footprint through behavioral changes and technological advancements. Harmony, a global mining company, will work with government, stakeholders and the industry to assist in combating this global challenge.

The objectives of this policy is to improve energy efficiency, reduce consumption, optimize capital investment in energy efficiency projects, reduce environmental effects and greenhouse gas emissions, conserve natural resources and reduce Harmony's carbon footprint.

Policy Guidelines

- Establishing Harmony's carbon footprint emanating from the mining and processing activities
- Optimizing electrical energy and carbon resource consumption and therefore efficiency within the operations whilst identifying opportunities for improving the energy mix in the group
- Improving energy efficiency by continuously establishing and implementing effective energy management programmes that support the mining operations while providing a safe and healthy work environment
- Promote the efficient use of renewable and non-renewable carbon resources
- Reduce greenhouse gas emissions, measure progress and report results
- Develop appropriate responses to climate change by way of adaptation and mitigation
- Encourage continuous energy conservation by employees in their work and personal activities
- Engage Government in developing policies and strategies to address energy efficiency and greenhouse gas reduction

Graham Briggs
Chief Executive Officer
June 2010



Harmony Gold Mining Company Ltd

Energy Efficiency and Climate Change Strategy

Harmony will give effect to the Energy Efficiency and Climate Change Policy through the following:


- Establishing Harmony's carbon footprint emanating from the current and future mining and processing activities

It is essential that we enhance our understanding of the sources, scope and extent of greenhouse gas emissions associated with our exploration, mining and processing activities.

- We will establish the carbon foot print for Harmony
- We will remain committed to disclosure in terms of the Carbon Disclosure Project
- We will continuously improve our public reporting of our emission profile and actions to mitigate and manage emissions
- Optimising electrical energy and carbon resource efficiency within the operations whilst identifying opportunities for improving the energy mix in the group
 - We will conduct energy efficiency baseline audits per operation
 - We will explore opportunities to participate in Demand Side Management programs inclusive of operational and equipment efficiency improvement projects
 - We will identify strategic alliances to secure green funds as well as Clean Development Mechanism revenue to generate capital for infrastructure efficiency enhancement projects
- Improving energy efficiency by continuously establishing and implementing effective energy management programmes that support the mining operations while providing a safe and healthy work environment
 - We will develop measurement and metering infrastructure to enable end-user energy metering
 - Establish energy management teams per operation
 - Establish management reporting and management controls



- Promote the efficient use of renewable and non-renewable carbon resources. Harmony's deep level underground operations are huge consumers of electricity and the challenge for the Company is to innovate our processes and technologies so that we may continue our business with a reduction in greenhouse gases.
 - Investigate and facilitate large scale renewable energy projects
 - Identifying and implementing energy recovery projects
 - Where necessary, the operations would develop site based action plans targeting energy and greenhouse gas reduction
- Reduce greenhouse gas emissions, measure progress and report results.
 - Setting and achieving progressive targets to reduce energy consumption and greenhouse gas emissions both as a group and within individual operations
- Develop appropriate responses to climate change by way of adaptation and mitigation
 - Considering the physical impact of a changing climate as part of our normal planning process and having appropriate contingency plans in
- Encourage continuous energy conservation by employees, suppliers and contractors in their work and personal activities
 - We will initiate information, awareness and incentive campaigns to obtain stakeholder participation
- Engage Government in developing policies and strategies to address energy efficiency and greenhouse gas reduction
 - Engage government in developing broad based (geographically and inter industry) market mechanisms that increase flexibility and reduce the cost of abating GHG emissions



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