


Chapter 9

Green Policies and Practices Across Industries

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ABSTRACT

This chapter examines how industries worldwide are adopting green policies and sustainable practices to combat climate change, reduce environmental impacts, and enhance organizational resilience. Focusing on key sectors like manufacturing, energy, transportation, agriculture, and services, it explores how green strategies are integrated into core operations. The role of Human Resource Management (HRM) is emphasized, highlighting its contribution in fostering green behaviors, delivering sustainability-focused training, and aligning HR practices with environmental goals. The chapter also addresses industry-specific challenges, showcases success stories, and distills lessons learned, offering actionable insights to support global climate resilience through strengthened green initiatives.

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1. INTRODUCTION

1.1 Importance of Green Policies in Combating Climate Change

Climate change has emerged as one of the most pressing global challenges of the 21st century, posing severe threats to ecosystems, economies, and human societies. Rising global temperatures, extreme weather events, loss of biodiversity, and environmental degradation underscore the urgency of addressing climate change. Industrial activities, deforestation, and fossil fuel consumption have significantly contributed to greenhouse gas (GHG) emissions, exacerbating global warming (Islam et al., 2021). The depletion of natural resources and increasing pollution levels further highlight the dire consequences of inaction. Governments, organizations, and individuals must recognize the critical importance of adopting green policies to combat these environmental threats, ensuring a sustainable future for generations to come.

Green policies refer to strategic regulations, initiatives, and practices aimed at reducing environmental impact, promoting sustainability, and mitigating climate change. These policies encompass various measures such as renewable energy adoption, waste reduction, resource efficiency, carbon trading mechanisms, and environmental governance frameworks. By implementing green policies, industries and governments can transition toward a low-carbon economy, ensuring ecological balance while fostering economic growth. These policies also emphasize the role of sustainable development, corporate social responsibility, and environmental stewardship in creating a more resilient global economy (Zhang et al., 2022).

Recent research underscores the growing importance of green policies in combating climate change. Studies highlight that nations adopting stringent environmental regulations have witnessed significant reductions in carbon emissions. For example, the European Union's Green Deal has been instrumental in promoting sustainability across various sectors, leading to measurable improvements in air quality and energy efficiency. Research also indicates that industries investing in green technologies experience long-term cost savings and enhanced competitive advantage (Dechezleprêtre & Sato, 2017; Goubran et al., 2023).

However, challenges persist in the widespread implementation of green policies. A key issue is the lack of global consensus on regulatory standards, with some nations prioritizing economic growth over environmental sustainability. Furthermore, financial constraints and technological limitations hinder the adoption of green innovations, especially in developing countries. Studies have also identified gaps in corporate compliance with environmental regulations, with many organizations failing to integrate sustainability into their core business strategies.

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