



AVIATION ENERGY POLICY STATEMENT

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MODULE
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Key Aviation Environmental and Energy Goals

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AVIATION ENERGY POLICY STATEMENT

Key goals for airports aim for net-zero carbon emissions by 2050, supported by ACI World Insights and IATA initiatives. Objectives include 100% renewable energy, electrification of ground operations, development of sustainable aviation fuel (SAF) infrastructure, improved energy efficiency, and reduction of noise and biodiversity impacts.

Learning Objectives

- Course Overview and Introduction
- Aviation Energy Policy Statement
- Environmental and Energy Policy Framework and Principles
- Key Aviation Environmental and Energy Goals
- Aviation Environmental and Energy Strategies
- Sample Energy Policy for Airports
- Summary and Resources



INTRODUCTION

Key Environmental & Energy Goals for Airports:

- Net-Zero Carbon (2050): Global airport members of ACI and IATA have committed to net-zero carbon emissions from their own operations by 2050.
- Decarbonizing Operations: Focusing on reducing emissions from buildings, lighting, and ground service equipment (GSE) through electrification and energy efficiency.
- SAF Infrastructure Development: Airports are transitioning to become hubs for sustainable aviation fuels (SAF) and low-carbon energy sources.

KEY ENVIRONMENTAL & ENERGY GOALS FOR AIRPORTS +

- Energy Efficiency & Renewable Energy: Transitioning to 100% renewable energy sources for airport infrastructure.
- Noise & Air Quality Management: Mitigation of aircraft noise and reducing local air pollutant emissions.
- Waste Management & Biodiversity: Enhancing sustainability by reducing waste and preserving local biodiversity.



SUSTAINABLE DEVELOPMENT

- Sustainable development in aviation means ensuring that growth in the industry does not compromise environmental health or social well-being. The aviation sector is focused on:
 1. Stakeholder Engagement: Collaboration with governments, communities, and environmental organizations is essential. This engagement helps develop policies that support sustainable practices while considering the needs of all stakeholders.
 2. Research and Innovation: The aviation industry invests in research to develop new technologies and practices. Initiatives like the Clean Sky program in Europe aim to promote innovative technologies that reduce environmental impact.





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