US Climate Goals and Initiatives

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**U.S. Fuel Consumption Trends**

1980-2009A: 2.2%

2005-2020E: 0.5%

2005-2030E: 1.3%

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**U.S. Commercial Aviation Fuel Consumption**

![Graph showing fuel consumption trends from 1980 to 2028.](image)
Climate Goals and the U.S. Approach

Challenge: *Enable increased mobility while reducing climate and other environmental impacts in absolute terms.*

- Improve commercial aviation *fuel efficiency* by at least 2 % per year
- Develop and deploy *alternative jet fuels* for commercial aviation
- *Carbon neutral growth* by 2020 against a 2005 baseline
- Absolute reductions by 2050

“NextGen” Five Pillar Strategy for Addressing Environment & Energy Issues:

- Advance Scientific Understanding & Improve Analysis Capabilities
- Accelerate Operational Changes
- Mature New Aircraft Technology
- Develop Alternative Fuels
- Policies & Market Based Measures

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Climate Goals and the U.S. Approach

Through NextGen, the U.S. plan will address:

• Policies, technologies, fuels, and operational procedures to best address societal needs for mobility and a clean environment;
• The role operations play in limiting aviation’s environmental impact;
• How future aircraft can mitigate their environmental impact while enabling growth;
• The ability of alternative fuels to provide aviation with a sustainable source of energy to power both the fleet of today and that of tomorrow; and
• The use of policy and market-based measures to help achieve sustainable aviation growth.
**U.S. Climate Initiatives:**

- Move beyond industry commitment & ICAO goals
- Technologically possible through a combination of air traffic innovation, fleet modernization & alternative fuels.
- U.S. Experience Encouraging