

US Climate Goals and Initiatives

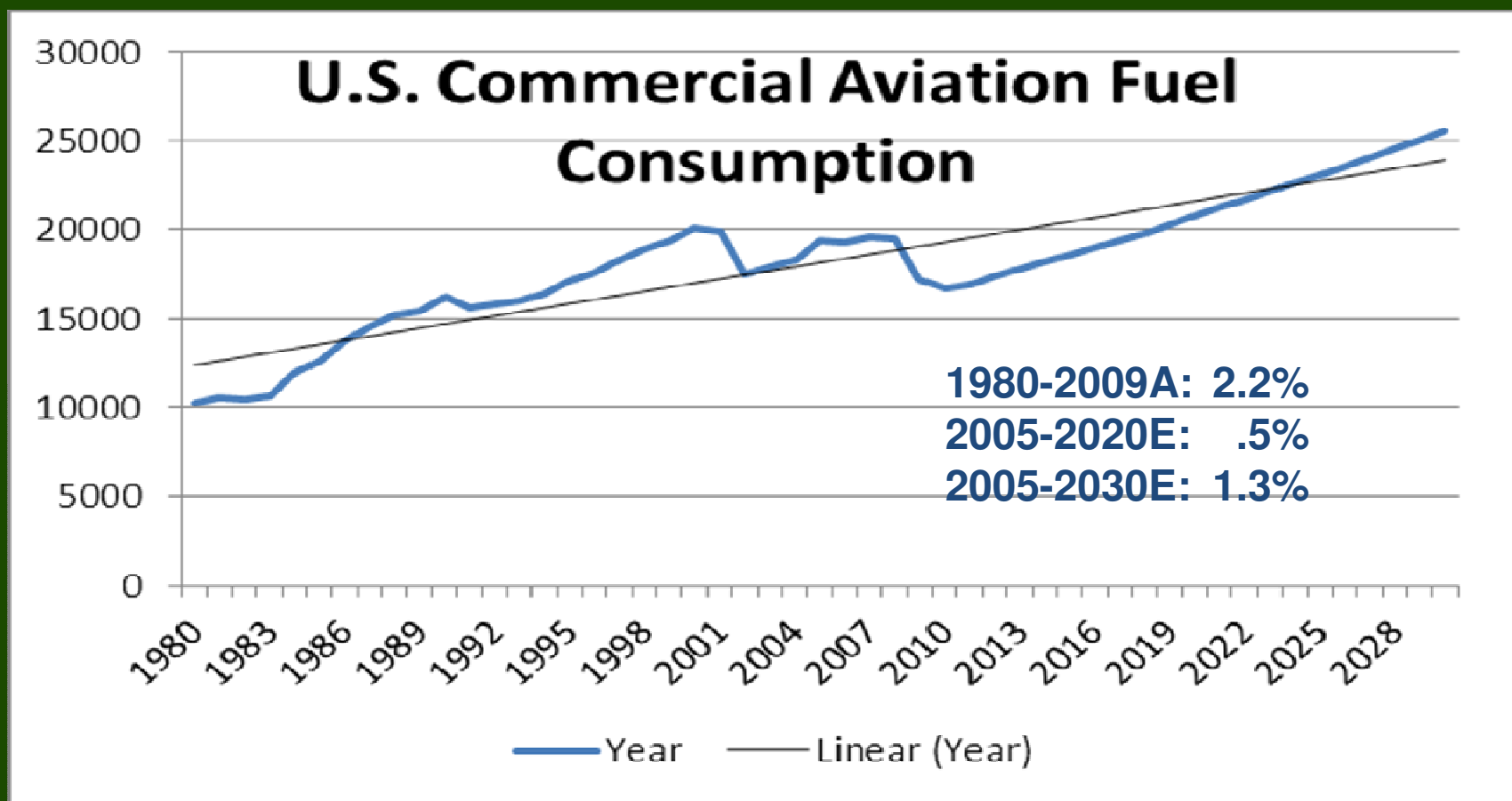
*Presented at: ICAO Aviation Side Event at UNFCCC Meeting
Bonn, Germany*

Drew Nelson
Department of State

June 7, 2011



U.S. Fuel Consumption Trends



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



Climate Goals and the U.S. Approach

GREENING U.S. AVIATION

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

