

Vindicated or Vilified?

How Will We Measure Up in the Eyes of Tomorrow's Generation?

NEXTOR NAS Performance Workshop
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Lessons from Oil

- ▶ Major forces:
 - Depletion
 - Climate
 - Geopolitics
 - Parochial interests
- ▶ Impediments to strategic change: Near term focus and preserving the status quo
- ▶ Tipping point?
- ▶ Aviation's analogy

Needs of Tomorrow's Generation?

- ▶ Dependable
- ▶ Affordable
- ▶ Convenient (door-to-door speed, schedules, flexible)
- ▶ Safe, secure
- ▶ Environmentally Responsible
- ▶ Accessible

A Few Ideas

- ▶ Dependable: eVFR, closer separations
- ▶ Affordable:
 - Directly connect resource use & payment
 - Closing the loop on capacity-building, price signaling
 - Resources: Infrastructure/Workforce/Airspace – right-size, dynamic adjustment
 - ADS-B/CDTI
 - Alternative financing; measures (ROA, liabilities, assets); alternative business models
- ▶ Convenient: Intermodal performance (door-door)
- ▶ Safe and secure: no accidents, low ops errors, safety and security risks managed
- ▶ Environmental: Emissions performance
- ▶ Accessible: airports and airspace
- ▶ Globally integrated

What is Happening Around Us?

- ▶ National Deficit and Debt
- ▶ Trade Deficit
- ▶ Epidemics
- ▶ Flat World
- ▶ End of Oil
- ▶ Climate Change
- ▶ Underinvestment in critical areas/overinvestment in dead ends
- ▶ Auto Industry, AFSS A-76
- ▶ Myopia leads to unnecessary long term pain and suffering

Challenging Assumptions -- Reassessing Priorities

- ▶ Economic prosperity -- demand increases vs. downturn potential
- ▶ Capacity needed vs. enough capacity
- ▶ Air traffic control vs. self-separation
- ▶ Human centered vs. fully automated
- ▶ FIFO vs. higher value sequence, route, resource
- ▶ Best alternative vs. best positioning
- ▶ Politics insurmountable vs. tipping point
- ▶ Carpe mañana vs. urgency
- ▶ Boiling frog

Acid Test

In 2030, will they ask us:

What were you people thinking?

