

FAA REDAC Subcommittee on Environment and Energy

May 2016

E&E Findings and Recommendations (1)

- Environmental assessment tools developed as part of E&E RE&D program:
 - Enabled ICAO to adopt CO₂ emission standard per plan
 - Demonstrated US's global leadership in ICAO environmental agenda
 - Validated the five pillar strategy (including tools and policy) adopted for the E&E RE&D program
 - nvPM standard in development – recommend commitment of resources and leveraging opportunities to build necessary database and analyses to lead standard development

E&E Findings and Recommendations (2)

- Intra-agency and Inter-agency collaboration in defining and executing the E&E RE&D portfolio is achieving robust results.
 - Recommend continued collaboration
 - Develop joint work plans to achieve greater benefits from collaboration
- CLEEN program matured technologies for product insertion opportunities in the near term
 - Recommend continued commitment; high value due to greater than 1:1 cost share
 - Maintain well balanced CLEEN-II portfolio

E&E Findings and Recommendations (3)

- Research tasks defined in Noise roadmap implemented (sleep disturbance, annoyance, health) and making good progress
 - Critical for:
 - Understanding noise impact on communities and developing objective measures
 - Identifying significant shifts in public perception / acceptance
 - Examining policies in light of new understanding
 - Recommend continued support and collaborative analyses of data

E&E Findings and Recommendations (4)

- Environmental impact of UAS will be a growing issue
 - Recommend development of plan to assess and understand the impact – especially noise
 - Evaluate applicability of current tools
 - Explore collaborative opportunities to acquire data and develop assessment models
 - Determine need for policy changes based on data