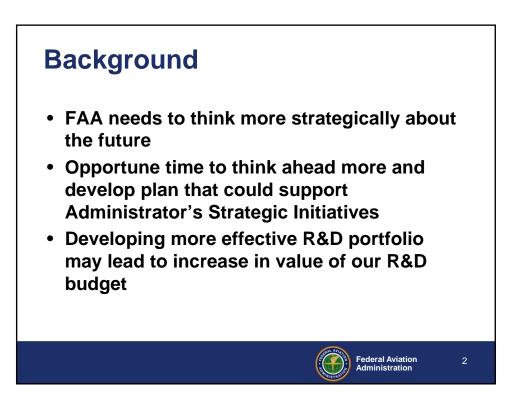
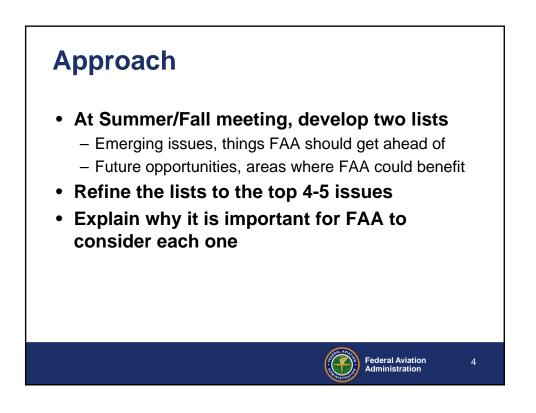
Developing Strategic R&D Plan for the FAA

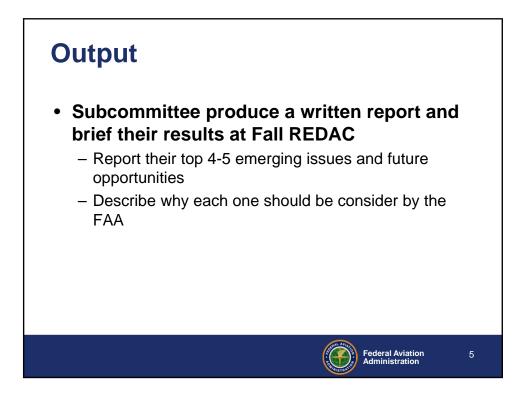
Presented by: Cathy Bigelow, Research and Development Management Division, ANG-E4 Date: Summer 2014

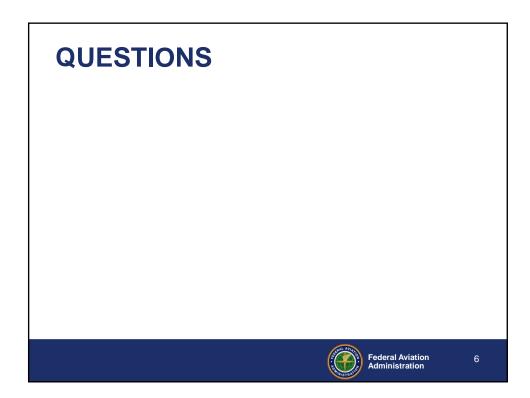












REDAC and the Subcommittee: Roles and Responsibilities

Presented by: Cathy Bigelow, ANG-E4 Date: Summer 2014



Basis for REDAC

- 49 USC § 44508 Research advisory committee
- Established a research advisory committee in the FAA, which shall
 - A. Provide advice and recommendations to the Administrator of the Federal Aviation Administration about needs, objectives, plans, approaches, content, and accomplishments of the aviation research program;
 - B. Assist in ensuring that the research is coordinated with similar research being conducted outside the Administration;

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Basis for REDAC, cont'd

- C. Review the operations of the regional centers of air transportation excellence; and
- D. Annually review the allocation made by the Administrator of the amounts authorized among the major categories of research and development activities carried out by the Administration and provide advice and recommendations to the Administrator on whether such allocation is appropriate to meet the needs and objectives identified under subparagraph (A).

Federal Aviation

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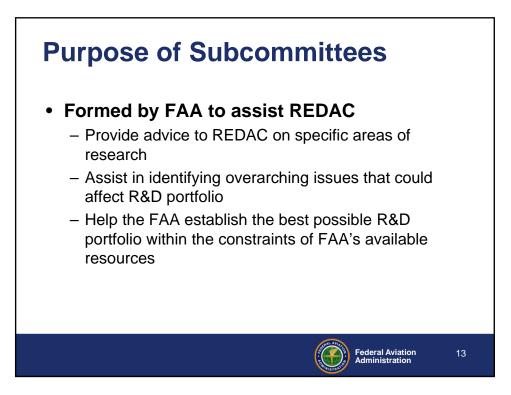
Operation of REDAC and Subcommittees

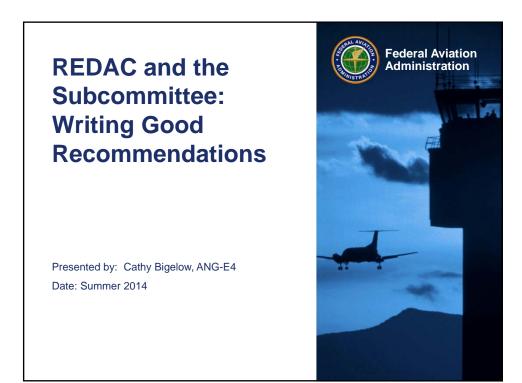
- Two sets of meetings (full committee and subcommittees) held annually
- · First meeting in summer/fall timeframe
 - Purpose is to provide strategic guidance to the FAA to develop the upcoming FY+3 research portfolio
 - FAA informs the subcommittee so they can provide the strategic guidance
 - Review of past year activities and accomplishments
 - Selected deep dives
 - Proposed FY+3 focal areas

Operation of REDAC and Subcommittees

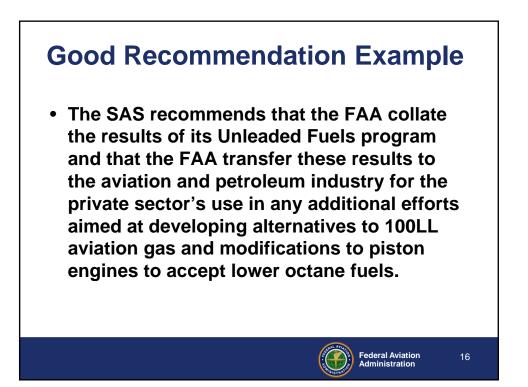
- Two sets of meetings (full committee and subcommittees) held annually
- Second meeting in winter/spring timeframe
 - Purpose is to review the R&D portfolio developed based on their strategic guidance from fall meeting
 - FAA briefs the proposed R&D FY+2 portfolio
 - Subcommittee provides recommendations on the proposed portfolio

Federal Aviation Administration









Opposite of Good Example

 The Subcommittee applauds the CAASD NextCAS IRAD effort, but modifying TCAS or creating a new collision avoidance system to achieve compatibility with NextGen would be a particularly complex problem, and that work would need to be based on a clear understanding of changed requirements and be a mainstream activity within CAASD's FAA-funded work program, to be done in concert with existing TCAS experts at FAA, MIT/LL and other organizations.

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