

CAAFI® 2025 Goals & Priorities

Commercial aviation supports approximately 5% of U.S. GDP (equivalent to approximately \$1.37 trillion in total economic activity in 2023), and more than 10 million U.S. jobs ([Airlines for America](#)). In support of these economic contributions of the aviation sector, CAAFI's 2025 goals and priorities regarding the development and commercialization of synthetic aviation turbine fuels (SATF), including sustainable aviation fuels (SAF), remain unchanged from previous years. They are:

- **Reinforcement of the Value Proposition of SAF, chiefly being a key component of an 'all of the above' U.S. domestic energy policy, delivering:**
 - **Domestic Energy Security** by reducing the need for petroleum importation.
 - **Supply Surety** leading to more distributed domestic production.
 - **Economic development potential** in every state:
 - Delivering an estimated 70,000 well-paying jobs for the 2030 target of 3 billion gallon/year production, and expansion of state and regional tax bases associated with such production.
 - **Direct synergies with enabling incremental feedstock supplies** that address:
 - Declining commodity prices of standard crops.
 - Improved agriculture resilience (crop diversity, improved soil retention, reduced soil erosion, improved nutrient utilization, reductions in herbicide and pesticide usage, breaking pest cycles, improved pollinator habitat, ...).
 - Making new market opportunities available to farmers and foresters, with solutions that address recent systemic challenges, e.g.:
 - Declining markets for paper/pulp, and the potential revival of shuttered mills.
 - Continuing decline of citrus production viability in the Southeast.
 - Introduction of intermediate oilseeds in existing row-crop rotations.
 - Fugitive emissions from timber-drying operations.
 - Increases in protein production.
 - Introduction of new crops with lower input needs, including water restricted regions.
 - Use of waste streams currently directed toward declining landfill availability.
- **Enhancement of the SATF Fuel Qualification Approach:** participate, advise, and facilitate producer engagement in the ASTM qualification process.
- **Alignment of Efforts to Enable Commercial SAF Deployment:** leverage research, partner across U.S. government agencies, facilitate partnerships among supply chain stakeholders, and support innovative fuel acquisition processes.
- **Implementing and Sharing Best Practices:** provide tools, share best practices and integrate information to support communication and understanding among diverse stakeholders.
- **Facilitate the increased domestic production of SATF:** leverage the above activities to achieve goals for the combined aviation and jet fuel production industry of three billion gallons of SAF production per year by 2030 and full replacement of petroleum-based jet fuel by 2050, as outlined in the ambitions of the U.S. SAF Grand Challenge Roadmap.

CAAFI 2025 Work Plan:

Given the ambition of the industry aligned 2030 goal of 3 billion gallons per year domestic production of SAF, CAAFI will focus on the efforts needed to reach this target by coordinating current and future activities and managing processes for engaging public and private stakeholders from aviation, energy, and agriculture industries, academia, and government, including:

- **Convening a broad exchange of information among SAF stakeholders at:**
 - Our regularly scheduled CAAFI webinars.
 - Conferences, workshops, and ad hoc meetings.
- **Providing information resources and credible expert technical support to the SAF community through:**
 - An updated and cohesive communications strategy to leverage a range of outlets for technical information and information exchange.
 - A continuously improving CAAFI website with greater functionality, usability across devices, and expanded content.
 - Continued and expanded direct interaction with supply chain participants who seek out CAAFI leadership for information, advice, and coordination with other entities.
 - Continued and expanded dissemination of information through events, conferences, interviews, written articles, and journal publications.
- **Coordinating and aligning with U.S. Government Agencies' activities in support of domestic SAF deployment goals:**
 - Firstly, aligning with the interests and directions of the incoming Administration, and continuing to regularly coordinate with the Federal Interagency Working Groups (or their commensurate replacements) on needs, goals, and priorities.
 - Providing input to update plans to execute, track and support government and industry work team efforts and tasks.
 - Communicating federal funding and program developments to the broader SAF community.
 - Communicating the need for long-term, sustained policy support to meet domestic deployment goals.
 - Working with stakeholders to develop key SAF communications and informational materials (e.g., infographics) that:
 - Reference the best available data
 - Highlight the potential economic benefits (employment, etc.), environmental, and social benefits of SAF.
 - Promote consistency for coherent and clear messaging.
- **Facilitating ongoing efforts by ASTM International on:**
 - Development of a specification for synthesized aviation fuels that can be used at higher blend levels up to 100% (complete) synthesized fuels.
 - Assessment of options for a more generalized specification for synthesized fuels based on composition and other characteristics.

- Evaluation and approval of new SATF pathways.
- Establishment of additional specifications leveraging existing refining infrastructure to produce SATF.
- Support for clearinghouse, prescreening, and other SATF testing for fuel analysis and qualification in collaboration with the FAA-funded ASCENT Center of Excellence.
- **Promoting harmonization of SATF evaluation approaches and tools** by:
 - Facilitating broader acceptance of methodologies to assess the environmental, social, and economic performance of SATF.
 - Facilitating research, demonstration, and commercial scale projects relating to regenerative agriculture/soil organic carbon sequestration.
 - Fostering integration with developments in carbon capture and sequestration.
 - Identifying concerns about carbon management and permanence with supply chain partners.
- **Continuing and expanding international engagement** through:
 - Input to the International Civil Aviation Organization through events and direct engagement with working group participants.
 - Coordination with other CAAFI-like organizations around the globe to align and complement work efforts.
 - Collaboration with global SATF stakeholders on messaging.
- **Leveraging the above efforts to advance the use and commercial production of domestic SATF** by fostering strategic partnerships, identifying opportunities and aligning deployment efforts.
 - Facilitating team development to respond to funding opportunities to develop novel feedstocks, SAF commercialization projects, and supply chains.
 - Supporting the development of commercial agreements across the SAF supply chain to enable SAF production and use.
 - Fostering other supply chain development and deployment partnerships.
 - Developing an approach to collaboration with the established biofuel and energy industry and the agricultural sector.