Advanced Air Mobility (AAM)

Update & Resolution

March 11, 2025

OKI
Ohio · Kentucky · Indiana
Regional Council of Governments

What is Advanced Air Mobility (AAM)?

Uncrewed Aircraft Systems – UAS

- Under 60 lbs = carry things, not people
- Require within visual line of sight (VLOS) by ground pilots
- Cannot fly over populated areas
- Must stay at or below 400 ft

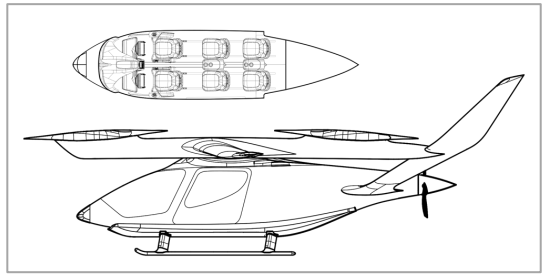
Electric Vertical Take Off and Landing aircraft – eVTOL

- Payload: 4-5 passengers or 1000 lbs
- Speed: 200 mph
- Range:
  - 2024 = 100-150 miles
  - 2031 = 200-300 miles
- Height requirements:
  - Above 500 ft after takeoff
  - Cruising altitude about 2000 ft

Horsefly™ WA4-100
Source: Workhorse™ Group Inc. Aero Business. (2025).

Beta Technologies' eVTOL Aircraft Being Tested at CVG
Source: Cincinnati/Northern Kentucky Airport (CVG). (2022).

AAM Timeline to Market Deployment



Design & Development

Early Prototyping & low-rate production

Flight Test & Vehicle Certification

Scale-up Manufacturing (2025 & beyond)

supernal

MOBILITY REIMAGINED

HONDA AMPAIRE

UMILES NEXT

ELECTRA.AERO

ELROY AIR

Overair

Whisper

MOOG

LILIUM

VERTICAL

wisk

TEXTRON eAVIATION

Joby AVIATION

BETA

PIPISTREL

LIFT AIRCRAFT

VOLOCOPTER

ARCHER

AAM OEM Market Lifecycle

Source: JobsOhio. (2023).

AAM SW Ohio Regional Team

(established - April 2023)

REDI CINCINNATI | JobsOhio Ohio's Economic Development Corporation | CVG Cincinnati/Northern Kentucky International Airport | OKI Ohio · Kentucky · Indiana Regional Council of Governments

Volyntaero | Electra | Parallax Advanced Research

GE Aerospace | Workhorse

Miami University | University of Cincinnati

Butler County Regional Transit Authority | Kroger

✓ Active Ohio Regional AAM Teams

How did we get to today's Resolution?

April 18

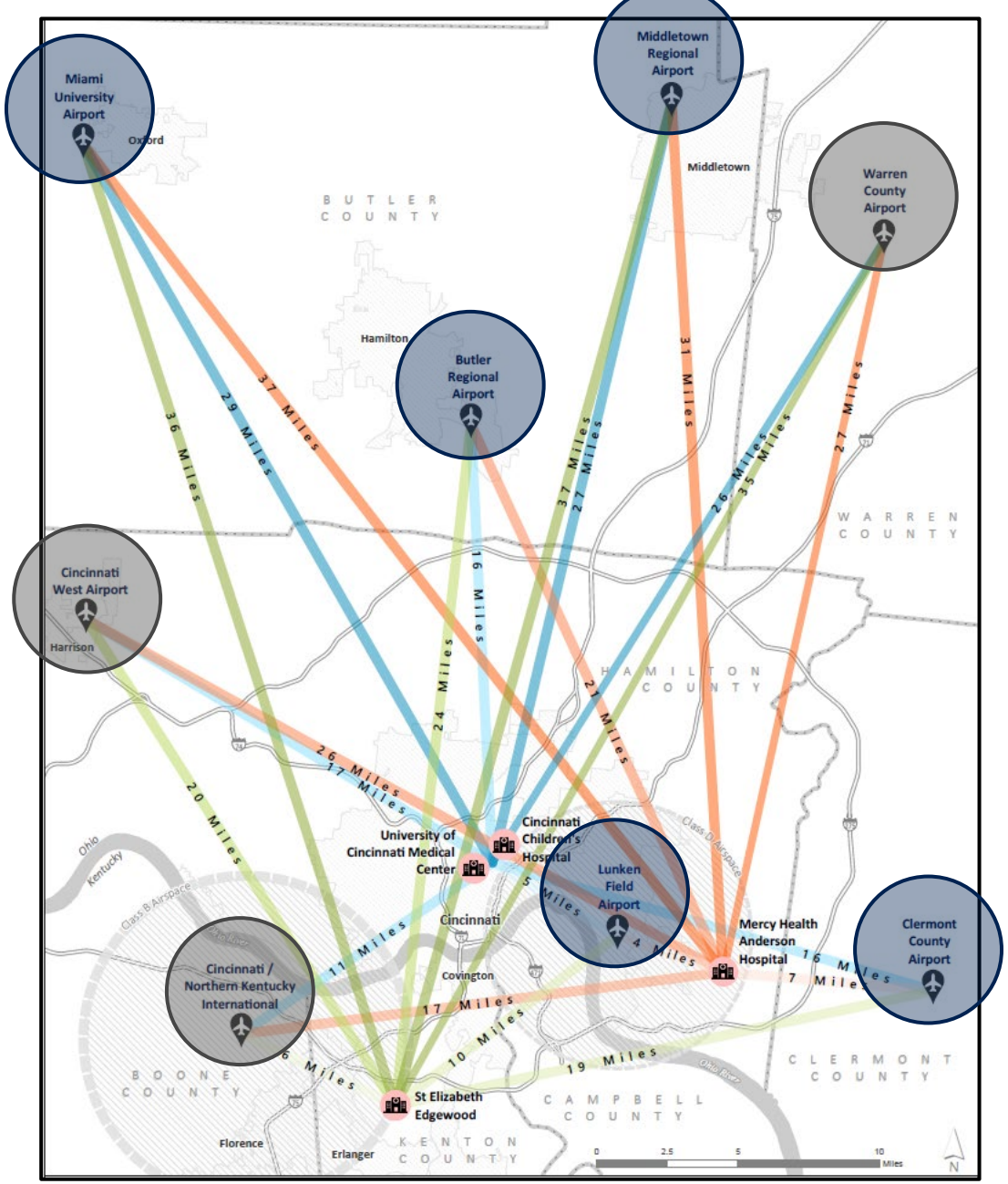
National Advanced Air Mobility Center of Excellence

August 20-21

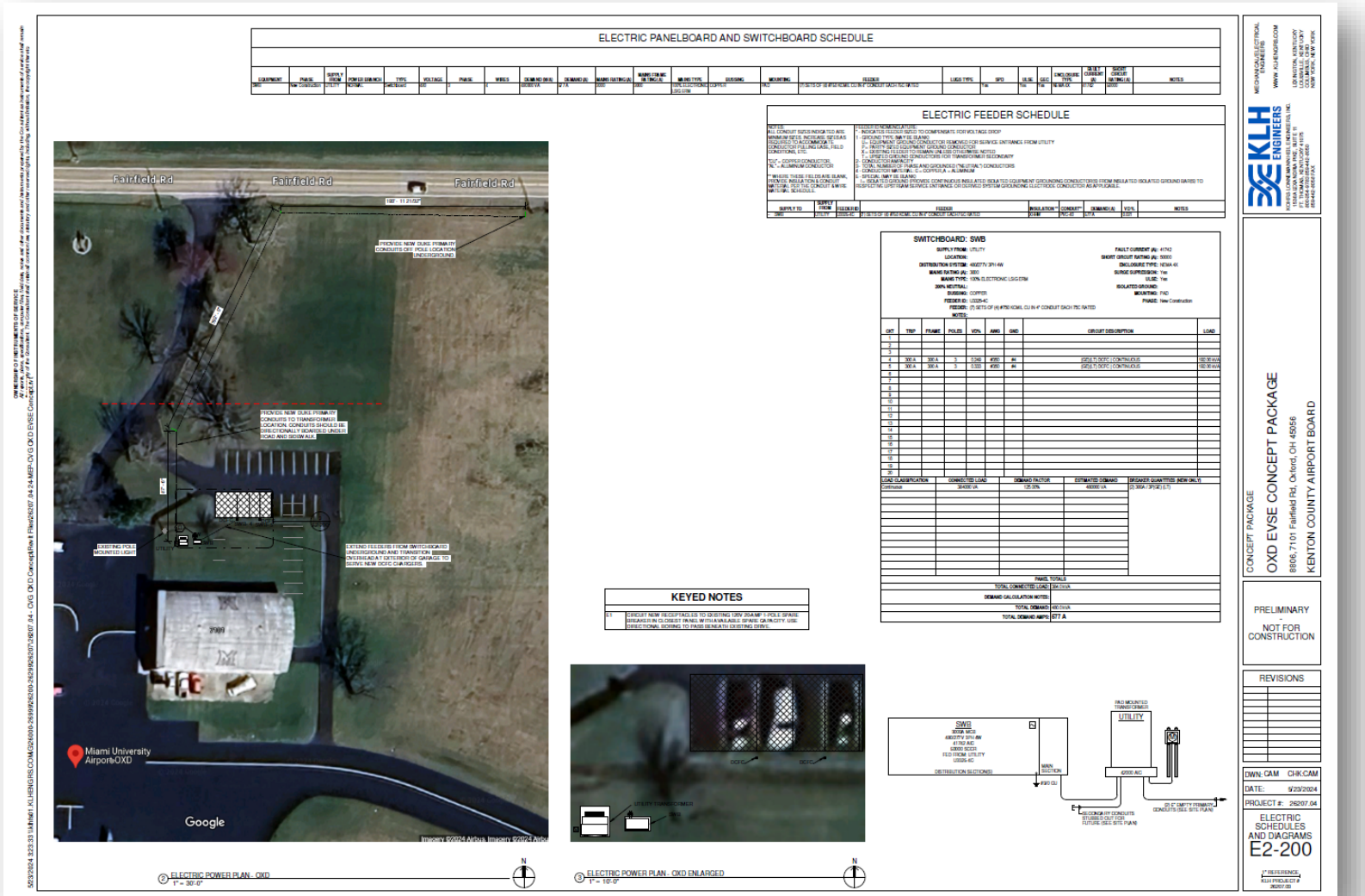
June-July

Participating Airports:

Airport	Airport ID	Local Public Agency Ownership
Butler County Regional Airport/ Hogan Field	HAO	Butler County Board of Commissioners
Cincinnati Municipal Airport/ Lunken Field	LUK	City of Cincinnati
Clermont County Airport	I69	Clermont County Commissioners
Miami University Airport	OXD	Miami University
Middletown Regional Airport/ Hook Field	MWO	City of Middletown



Project Deliverables: AAM EVSE Site Plans and Budget



G	SITEWORK	Quantity	Unit	Unit Cost	Extended Cost	Subtotal 2	Subtotal 1
G10	Site Preparation						$35,531
G1010	Site Clearing					$13,077	
G1010.01	Clearing & Grubbing	3,054	SF	0.40	$1,222		
G1010.02	Utility Trenching / Excavation / Backfill	455	LF	5.30	$2,412		
G1010.03	Hauling Spoils (30% Hauled Offsite)	614	CY	12.75	$7,832		
G1010.04	Grading Site	339	SY	4.75	$1,612		
G1020	Site Demolition and Relocations					$9,450	
G1020.01	Miscellaneous Site Demolition	1	LS	5,000.00	$5,000		
G1020.02	Pavement Removal / Patching	70	SF	55.00	$3,850		
G1020.03	Remove Pavement Lines / Markings	75	LF	8.00	$600		
G1030	E&S Control and Temp Fencing					$13,005	
G1030.01	Temp Site Fencing	630	LF	8.00	$5,040		
G1030.02	Construction Entrance	1	EA	3,500.00	$3,500		
G1030.03	Erosion Control - Silt Fence	1,058	LF	4.22	$4,465		
G20	Site Improvements						$6,398
G2020	Parking Lots					$5,210	
G2020.01	Pavement Lines / Markings	4	STALL	30.00	$120		
G2020.02	Wheel Stops	4	EA	85.00	$340		
G2020.04	Charging Station Signage	1	LS	1,500.00	$1,500		
G2020.05	Equipment Pads	130	SF	25.00	$3,250		
G2050	Landscaping					$1,188	
G2050.01	Seeding and Sodding	339	SY	3.50	$1,188		
G40	Site Electrical Utilities						$728,550
G4010	Electrical Distribution					$728,550	
G4010.01	(2) Empty 6" Directionally Bored, for Primary Service	90	LF	227.11	$20,440		
G4010.02	(2) Empty 6" Schedule 40 PVC Conduit for Primary Electrical Service	455	LF	170.00	$77,350		
G4010.03	Concrete Encasement of Conduit	545	CY	200.00	$109,000		
G4010.04	Manhole	2	EA	6,500.00	$13,000		
G4010.05	3000 AMP Switchboard	1	EA	143,260.00	$143,260		
G4010.06	Feeder - 7 Sets (4) #750, 4" SCH 40 PVC Conduit	10	LF	3,305.38	$33,054		
G4010.07	Conduit Stubbed Out and Capped for Future	1	LS	5,000.00	$5,000		
G4010.08	DCFC Chargers	2	EA	113,000.00	$226,000		
G4010.09	Electric Meter	1	EA	3,500.00	$3,500		
G4010.10	WP Ground Fault Receptacle	1	EA	446.00	$446		
G4010.11	Grounding	1	LS	7,500.00	$7,500		
G4010.12	Duke Utility Cost	1	LS	70,000.00	$70,000		
G4010.13	Site Communications System (Allowance)	1	LS	20,000.00	$20,000		
		TOTAL		$252.29/SF	$ 770,479	$ 770,479	$ 770,479

	Direct Cost - SUBTOTAL	$ 770,479	$ 770,479	$ 770,479
4.40%	Escalation to Mid-point Constr	$ 33,901		
0.00%	Sales Tax on Material	$ -		
	Project Adjusted Cost - SUBTOTAL	$ 804,380	$ 804,380	$ 804,380
2.50%	MPT & Construction Surveying	$ 20,109		
12.00%	Overhead	$ 98,939		
8.50%	General Conditions	$ 78,491		
5.00%	Profit	$ 50,096		
10.00%	Design/Estimating Contingency	$ 105,202		
1.00%	Bond	$ 11,572		
	Project Marked Up Cost - SUBTOTAL	$ 1,168,789	$ 1,168,789	$ 1,168,789

Project Timeline:

RFQ Public Release
February 11

→

RFQ Deadline
March 13

→

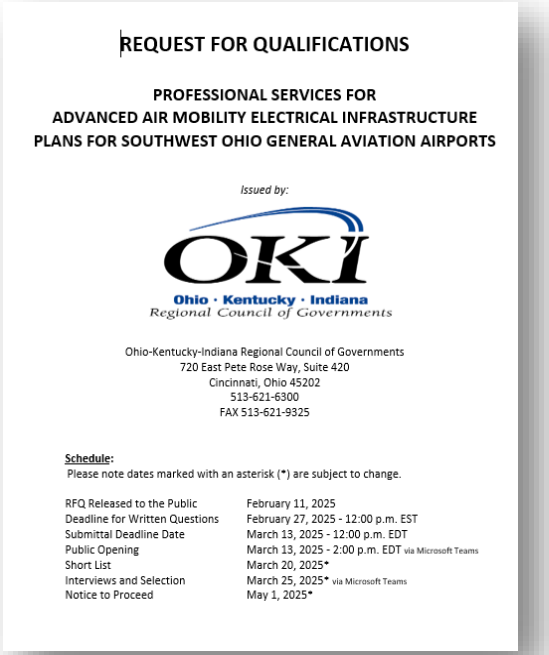
Selection Process
March 13-25*

→

NTP Issued
May 1*

→

Project Completed/ Final Invoicing
Dec 31, 2025



REQUEST FOR QUALIFICATIONS

PROFESSIONAL SERVICES FOR
ADVANCED AIR MOBILITY ELECTRICAL INFRASTRUCTURE
PLANS FOR SOUTHWEST OHIO GENERAL AVIATION AIRPORTS

Issued by:

OKI
Ohio · Kentucky · Indiana
Regional Council of Governments

Ohio-Kentucky-Indiana Regional Council of Governments
720 East Pete Rose Way, Suite 420
Cincinnati, Ohio 45202
513-621-6300
FAX 513-621-9325

Schedule:
Please note dates marked with an asterisk (*) are subject to change.

RFQ Released to the Public	February 11, 2025
Deadline for Written Questions	February 27, 2025 - 12:00 p.m. EST
Submittal Deadline Date	March 13, 2025 - 12:00 p.m. EDT
Public Opening	March 13, 2025 - 2:00 p.m. EDT via Microsoft Teams
Short List	March 20, 2025*
Interviews and Selection	March 25, 2025* via Microsoft Teams
Notice to Proceed	May 1, 2025*

*dates subject to change

Request:
Approval of OKI Resolution 2025-07

For more information, contact:

Robyn Bancroft, AICP
Strategic Initiatives Manager
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(513) 619-7662

OKI 2025-07

RESOLUTION

**OF THE EXECUTIVE COMMITTEE OF THE
OHIO-KENTUCKY-INDIANA REGIONAL COUNCIL OF GOVERNMENTS**

**AUTHORIZING A CONTRACT FOR PROFESSIONAL SERVICES TO PROVIDE
ADVANCED AIR MOBILITY ELECTRICAL INFRASTRUCTURE PLANS FOR
SOUTHWEST OHIO GENERAL AVIATION AIRPORTS**

WHEREAS, the local public agencies (Butler County Board of Commissioners, City of Cincinnati, Clermont County Board of County Commissioners, Kenton County Airport Board and City of Middletown) as owners or lessee of the five participating General Aviation Airports (Butler County Regional Airport/Hogan Field, Cincinnati Municipal Airport/Lunken Field, Clermont County Airport, Miami University Airport and Middletown Regional Airport/Hook Field), herein called "Airports," have determined that each has a need to plan for future operations of Advanced Air Mobility aircraft, herein called "AAM" to support opportunities for business expansion and growth at their Airports and that such a transportation planning effort can be most advantageously pursued through comprehensive regional transportation planning services; and

WHEREAS, OKI assists local jurisdictions to conduct transportation planning activities when the UPWP allows; and

WHEREAS, through a quality-based selection process, a consultant will be chosen to conduct the AAM Electrical Infrastructure Plans for Southwest Ohio General Aviation Airports project; and

WHEREAS, the project will be funded using CPG Ohio Exclusive funds with the participating airports' local public agencies and Duke Energy Corporation providing the non-federal match: Now, therefore,

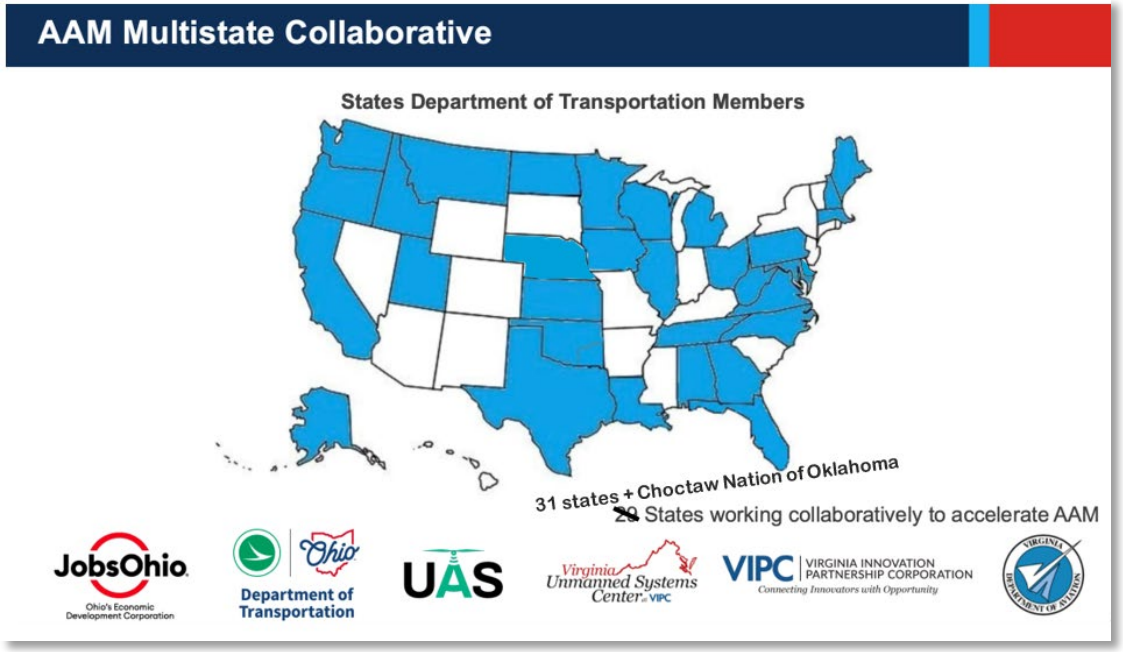
BE IT RESOLVED that the Executive Committee of the Ohio-Kentucky-Indiana Regional Council of Governments at its regular public meeting of March 13, 2025, hereby authorizes and directs OKI CEO to execute a contract for the AAM Electrical Infrastructure Plans for Southwest Ohio General Aviation Airports project with the selected consultant in an amount not to exceed $105,000.

_____
JOSH GERTH, PRESIDENT

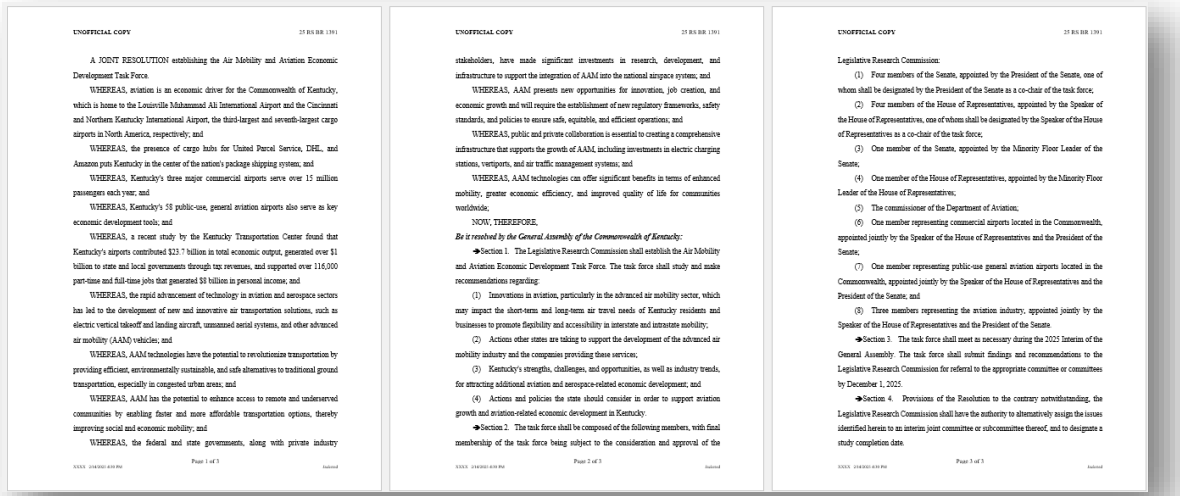
RB
3/14/25

What about Kentucky?

AAM Event w/ GAs at Springfield-Beckley Airport (4/18/24)



Resolution to establish a Kentucky Air Mobility and Aviation Economic Development Task Force (2/18/25)



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A JOINT RESOLUTION establishing the Air Mobility and Aviation Economic Development Task Force.

WHEREAS, aviation is an economic driver for the Commonwealth of Kentucky, which is home to the Louisville Muhammad Ali International Airport and the Cincinnati and Northern Kentucky International Airport, the third-largest and seventh-largest cargo airports in North America, respectively; and

WHEREAS, the presence of cargo hubs for United Parcel Service, DHL, and Amazon puts Kentucky in the center of the nation's package shipping system; and

WHEREAS, Kentucky's three major commercial airports serve over 15 million passengers each year; and

WHEREAS, Kentucky's 58 public-use, general aviation airports also serve as key economic development tools; and

WHEREAS, a recent study by the Kentucky Transportation Center found that Kentucky's airports contributed $23.7 billion in total economic output, generated over $1 billion to state and local governments through tax revenues, and supported over 116,000 part-time and full-time jobs that generated $8 billion in personal income; and

WHEREAS, the rapid advancement of technology in aviation and aerospace sectors has led to the development of new and innovative air transportation solutions, such as electric vertical takeoff and landing aircraft, unmanned aerial systems, and other advanced air mobility (AAM) vehicles; and

WHEREAS, AAM technologies have the potential to revolutionize transportation by providing efficient, environmentally sustainable, and safe alternatives to traditional ground transportation, especially in congested urban areas; and

WHEREAS, AAM has the potential to enhance access to remote and underserved communities by enabling faster and more affordable transportation options, thereby improving social and economic mobility; and

WHEREAS, the federal and state governments, along with private industry

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stakeholders, have made significant investments in research, development, and infrastructure to support the integration of AAM into the national airspace system; and

WHEREAS, AAM presents new opportunities for innovation, job creation, and economic growth and will require the establishment of new regulatory frameworks, safety standards, and policies to ensure safe, equitable, and efficient operations; and

WHEREAS, public and private collaboration is essential to creating a comprehensive infrastructure that supports the growth of AAM, including investments in electric charging stations, vertiports, and air traffic management systems; and

WHEREAS, AAM technologies can offer significant benefits in terms of enhanced mobility, greater economic efficiency, and improved quality of life for communities worldwide;

NOW, THEREFORE,

Be it resolved by the General Assembly of the Commonwealth of Kentucky:

➔Section 1. The Legislative Research Commission shall establish the Air Mobility and Aviation Economic Development Task Force. The task force shall study and make recommendations regarding:

(1) Innovations in aviation, particularly in the advanced air mobility sector, which may impact the short-term and long-term air travel needs of Kentucky residents and businesses to promote flexibility and accessibility in interstate and intrastate mobility;

(2) Actions other states are taking to support the development of the advanced air mobility industry and the companies providing these services;

(3) Kentucky's strengths, challenges, and opportunities, as well as industry trends, for attracting additional aviation and aerospace-related economic development; and

(4) Actions and policies the state should consider in order to support aviation growth and aviation-related economic development in Kentucky.

➔Section 2. The task force shall be composed of the following members, with final membership of the task force being subject to the consideration and approval of the

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Legislative Research Commission:

(1) Four members of the Senate, appointed by the President of the Senate, one of whom shall be designated by the President of the Senate as a co-chair of the task force;

(2) Four members of the House of Representatives, appointed by the Speaker of the House of Representatives, one of whom shall be designated by the Speaker of the House of Representatives as a co-chair of the task force;

(3) One member of the Senate, appointed by the Minority Floor Leader of the Senate;

(4) One member of the House of Representatives, appointed by the Minority Floor Leader of the House of Representatives;

(5) The commissioner of the Department of Aviation;

(6) One member representing commercial airports located in the Commonwealth, appointed jointly by the Speaker of the House of Representatives and the President of the Senate;

(7) One member representing public-use general aviation airports located in the Commonwealth, appointed jointly by the Speaker of the House of Representatives and the President of the Senate; and

(8) Three members representing the aviation industry, appointed jointly by the Speaker of the House of Representatives and the President of the Senate.

➔Section 3. The task force shall meet as necessary during the 2025 Interim of the General Assembly. The task force shall submit findings and recommendations to the Legislative Research Commission for referral to the appropriate committee or committees by December 1, 2025.

➔Section 4. Provisions of the Resolution to the contrary notwithstanding, the Legislative Research Commission shall have the authority to alternatively assign the issues identified herein to an interim joint committee or subcommittee thereof, and to designate a study completion date.

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