



3rd quarterly report on the Northeast
Ohio Information Exchange: Digital
Infrastructure for Drone Services in
Cuyahoga County project

Period thru September 30, 2023

Stuart C. Mendel
Project Director





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Website content hyperlinks

Here is a short link for this report if needed: tinyurl.com/neofix-q3report

<https://bw-centers-tech-partnerships.org/neofix/>
<https://bw-centers-tech-partnerships.org/members-supporters/>
<https://bw-centers-tech-partnerships.org/resources/>
<https://richedward.com/portfolio/mworks-commercial-1/>
www.OH-FIX.com
<https://oh-fix.com/index.html>

Questions directed to Stuart Mendel, Affiliate Professor and NEOFIX Project Director
smendel@bw.edu



October 24, 2023

County's address for notification is:
Cuyahoga County Office of the Council
2079 East 9th Street
Cleveland, Ohio 44115
Attention: Cynthia Mason, Research and Policy Analyst

With a copy to:
Cuyahoga County Department of Law
2079 East 9th Street
Cleveland, Ohio 44115
Attention: Director of Law

Dear Ms. Mason,

This document and attached booklet TABS comprise the second quarterly report on the Northeast Ohio Information Exchange: Digital Infrastructure for Drone Services in Cuyahoga County, abbreviated hereafter as the NEOFIX project.

The format narrative of this document is drawn from the reporting items listed in section 4 of the agreement between Cuyahoga County and Baldwin Wallace University for funding the NEOFIX, cut and pasted as:

Recipient shall submit quarterly reports to the Clerk of the Cuyahoga County Council. Reports shall be submitted no later than thirty (30) days after the end of each calendar quarter. In each report, recipient shall provide the following:

1. An itemized list of all expenditures made during the preceding quarter (**see Table I below**).
2. An itemized list of project goals achieved during the preceding quarter; (**see Table II below**).
3. An itemized list of project goals in progress as of the end of the preceding quarter (**see Table II below**).
4. An itemized list of project goals to be completed during the current quarter and an itemized list of project goals to be completed in the next quarter (**see Table III below**).



Summary Narrative

The third quarter report on the progress of the NEOFIX depicts uninterrupted work initially described in the original proposal to the Cuyahoga County District 2 and County Council in Fall 2022 and the first and second quarter reports submitted this past spring and summer.

Briefly, the NEOFIX is a public private partnership, where public sector first-in resources will be amplified well beyond a dollar-for-dollar return for an emerging \$10B private industry benefiting residents of the County and the state of Ohio. NEOFIX will provide public safety in Cuyahoga County with a *Common Operating Picture* of drone operations, supporting safe operations and counter-UAS. The NEOFIX puts the County and its airspace within the leading the communities in the nation, applicable as a model program for the state of Ohio.

- The first quarter work of the NEOFIX attended on identifying and organizing the stakeholder community.
- The work of the second quarter focused on building the NEOFIX instrument. The public facing NEOFIX web interface was made live (<https://bw-centers-tech-partnerships.org/bw-announces-launch-of-neofix-cuyahoga-countys-new-drone-safety-platform>) (in the second quarter of 2023 (June 21) and presented to stakeholders for use and refinement.
- The third quarter outputs involve buildout of the NEOFIX data base drawing on data provided by Cuyahoga County GIS and planning programs, and on flight and other ground sensor data contributed by private sector corporations. The NEOFIX is designing its system to enable growth to other counties in the state of Ohio, residents and other stakeholders.

The work outputs noted are applicable toward and complement the state of Ohio's DriveOhio Advanced Air Mobility framework (<https://drive.ohio.gov/programs/aam/aam-framework>).

The user login NEOFIX web site requiring registration can be accessed by visiting: <https://oh-fix.com/index.html> clicking "About," and then Government Login. Alternatively, the site can be accessed directly via <https://gov.oh-fix.com/index.html>.

As part of the 3d quarter outreach, the NEOFIX has presented briefings to the state house committee on Aviation and Aerospace Committee (<https://ohiohouse.gov/committees/aviation-and-aerospace>) and one-on-one updates to congressional staff representatives for US House Districts 7 and 14.

The work for the third quarter has set the conditions for individual meetings in the governor's office and separate meetings with legislators for the 4th quarter of 2023 in the state of Ohio in mid-October; a separate a legislative briefing on October 23, 2023 at Baldwin Wallace University; and briefings for the Cuyahoga County Executive and Council on October 24, 2023.



The work of the fourth quarter will involve making the case for direct support from the state of Ohio in the creation of public infrastructure. Initially the use-case focus is to support health disparity use cases and commercial application use cases for local, regional and state-wide economic development outcomes.

Third Quarter Timeline

In the period July through September 2023 content has been steadily increased on the NEOFIX website to deepen its use as a resource for drone use stakeholders in the County and region. The hyperlink is: <https://bw-centers-tech-partnerships.org/neofix/> and a subject index of the site content is provided under TAB 3 of this report.



Report

I. Third quarter NEOFIX project performance

- Goal 1 To form four working subgroups drawn from stakeholders identified during first quarter
- Goal 2 To design and build the NEOFIX and accessible to the public.
- Goal 3 To begin marketing the NEOFIX setting the conditions for a public private partnership (PPP) regionally and across the state of Ohio

Third quarter work engaged participants from all four working groups (Data, design and configuration, sensors integration and planning; and public policy).

Outputs for the data sharing/base layers group included engagement of the County’s IT/GIS heads and development of County GIS derived NEOFIX base map detail. This included access to point data from Tier 2 LEPC reports from showing facilities locations and quantity of hazardous materials on-site. Records had ESRI geocoding fields. Information was also exchanged with the Cleveland Metroparks including the protocols for a National Institute of Standards and Technology (NIST) readiness assessment for their policies and droner operations procedures.

- Outputs for the design and configuration group included use cases shared by the Cleveland Clinic; First Energy, collaboration with flight information exchanges coalescing in other states.
- Outputs for the sensors integration and planning group included favorable outreach to City of Cleveland Airports including Burke Lakefront and Cleveland Hopkins International Airports, and the airports in nearby counties with who airspace is co-terminus with Cuyahoga County.
- Outputs for the public policy are slowly coming together as the NEOFIX looks to synchronize with state of Ohio initiatives involving advanced air mobility. The NEOFIX fulfills the policy niche for the state of Ohio which is looking to the economic development regions to inform and advance AAM statewide.

NEOFIX goals performance are reported in the following tables.

Table I. Itemized list of all expenditures made during the preceding quarter.

Budgeted and Expense items First Quarter thru 09/30/2023

Line Item	Annual Budget	Actual	Notes
Program Development Expenses	\$105,000	\$78,750	Salary/fringe
Technical / Software	\$ 75,000	\$75,000	ATA
Stakeholder Outreach	\$ 19,500	\$15,000	EHM, Vaux
Data Governance	\$ 0	\$ 0	contributed
Use Case Development	\$ 25,000	\$18,750	Critical Ops, Food, travel
Total Direct Costs	\$224,500	\$187,500	





Table II. An itemized list of project goals to be completed during the third quarter.

Third Quarter	Goals/Action	
July	<ol style="list-style-type: none"> 1. Timely response to technical support and technical inquiries 2. Maintenance of new requirements and features 3. Successful provision of API access as needed 4. Hosting of NEOFIX with support during regular business hours 5. Ability to train new users 6. Ability to connect (onboard) USS/UTM providers and critical infrastructure providers 7. Provision of data governance manuals and guidance materials 8. Successful loading of data into the platform; and 9. Support for user group meetings. 	<ul style="list-style-type: none"> • On-going • On-going NEOFIX operations • Registration of users • NEOFIX website is active • In development • Pushed to 4th qtr • Ongoing • Ongoing
August	<ol style="list-style-type: none"> 1. Secure County Funding for year 2 operations 2. Submit proposal for sensors and other capital equipment. 3. Create user-fee model for fiscal sustainability of the NEOFIX 	<ul style="list-style-type: none"> • Completed • 4th Qtr • 4th Qtr
September	<ol style="list-style-type: none"> 1. Monthly user group meeting 2. Ongoing Onboarding of USS/UTM partners 3. Ongoing onboarding of BW partner agency systems 4. Continued collection, mapping and loading of data assets 5. Review, extend, update and maintain data mapping 	<ul style="list-style-type: none"> • All the following in process.



Table III

Fourth Quarter	
Monthly Thereafter	Monthly User Group Meeting Ongoing Onboarding of USS/UTM Partners Ongoing onboarding of BW partner agency systems Continued collection, mapping, and loading of data assets. Review, extend, updated and maintain data mappings and supplemental language.
Quarterly Thereafter	System Maintenance and Ongoing Security Compliance Minimum quarterly release of updated application and new features

Concluding items for the report.

- As of this writing the NEOFIX data sharing website is established and available for view through the www. There are two pathways to view the materials. The first is through the Baldwin Wallace University portal with address: <https://bw-centers-tech-partnerships.org/neofix/> while the second is the direct hyperlink: www.OH-FIX.com.
- During 4th quarter, we will increase outreach to state of Ohio legislators, executives and relevant departments for the purpose of deepening the initiative locally and advancing the initiative statewide.
- Our goal is to enable the NEOFIX to demonstrate live motion data at the meeting for legislators scheduled at Baldwin Wallace University on Monday, October 23, 2023.

Respectfully submitted,

Jennifer Pitz, MPA
Director, Research and Sponsored Programs

Stuart C Mendel Affiliate Professor and Project Director



192 Day Drone Activity Report

Total Flights

11913

Unique Drones IDs

2476

Max Altitude (ft)

6946

Total Flights Above 400 ft

2636

Unique drone IDs above 400 ft

798

Total Night Flights

2657

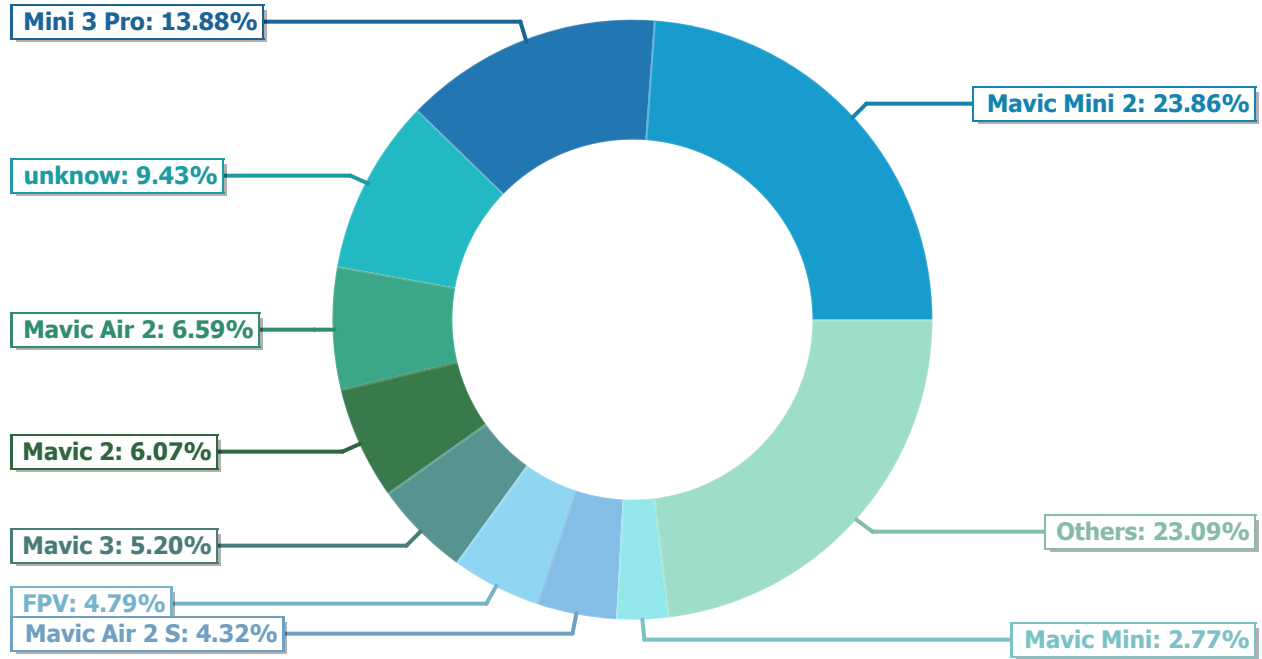
Drone Type	Flight Count
Mavic Mini 2	2842
Mini 3 Pro	1653
unknow	1123
Mavic Air 2	785
Mavic 2	723
Mavic 3	620
FPV	571
Mavic Air 2 S	515
Mavic Mini	330
M30	295
DJI Air 2S	240
Mini SE	238
MavicPro	226
Mini 3	215
DJI Mini 3	166
M2EA	149
P4P 2.0	145
Avata	129
Mini 2 SE	128
Mavic 3C	127
DJI Avata	106
Phantom 4 Pro V2.0	80
P3S	53
MavicAir	46
M200 V2	43
Mavic Mini 3 Pro	40
Type 88	36
Mavic 3 Pro	31

192 Day Drone Activity Report

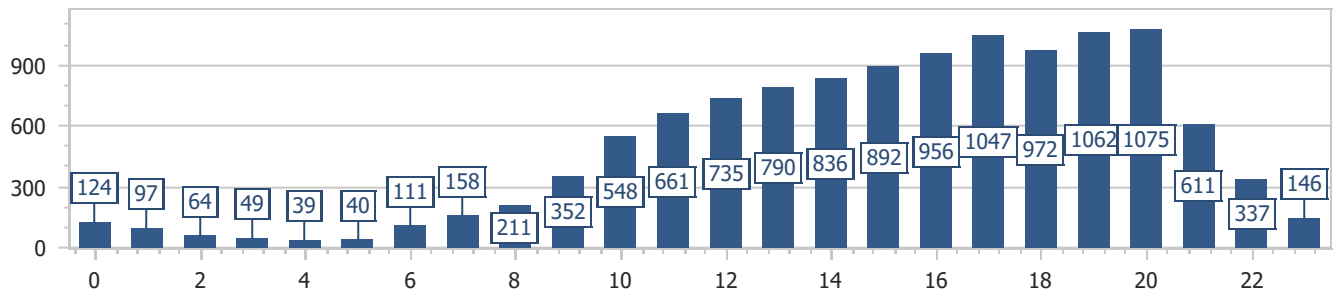
M300 RTK	28
Inspire 2	25
Mavic 3E/3T	21
Type 87	18
Mavic 3E/3T/3M	17
Mavic Pro	16
NewDrone_88	14
M300	13
NewDrone_86	13
P4 Series	11
Spark	10
NewDrone_84	9
NewDrone_87	7
Mavic 2 Enterprise	7
Unknown	6
Mavic Air	6
Mavic 3E E/T/M	5
P4P	5
Phantom 4 Pro	5
Phantom 4 RTK	4
P3P	4
P4 RTK	4
P3 Series	3
Inspire 1	2
M200	2
P3SE	2
Phantom 3 Series P	1

192 Day Drone Activity Report

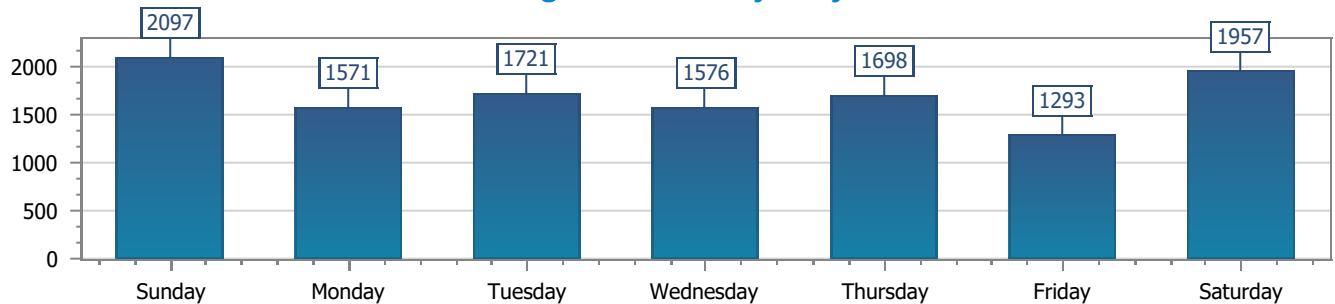
Top Drone Types



Flight Counts by Hour

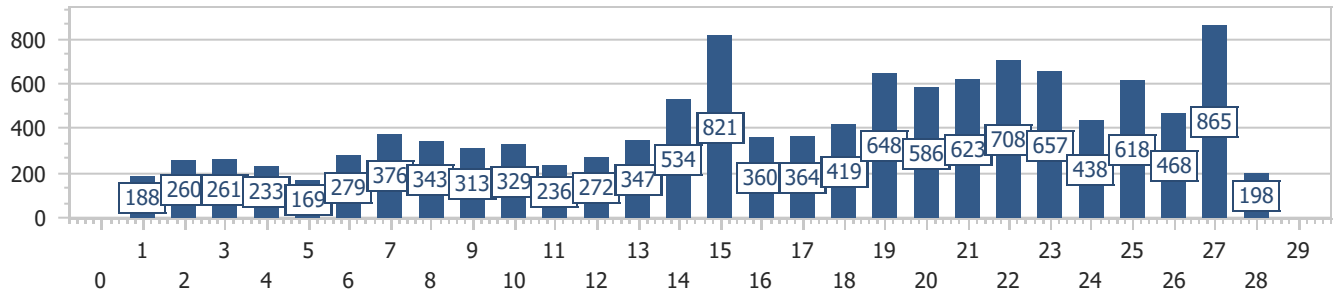


Flight Counts by Day

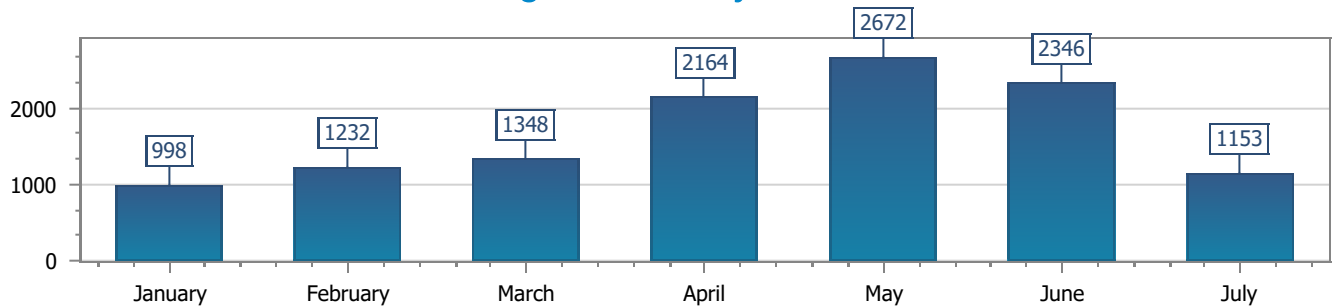


192 Day Drone Activity Report

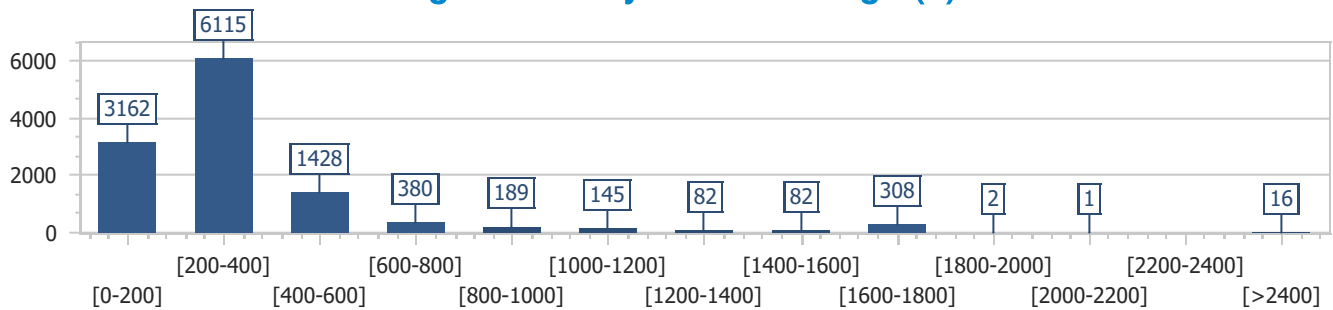
Flight Counts by Week



Flight Counts by Month

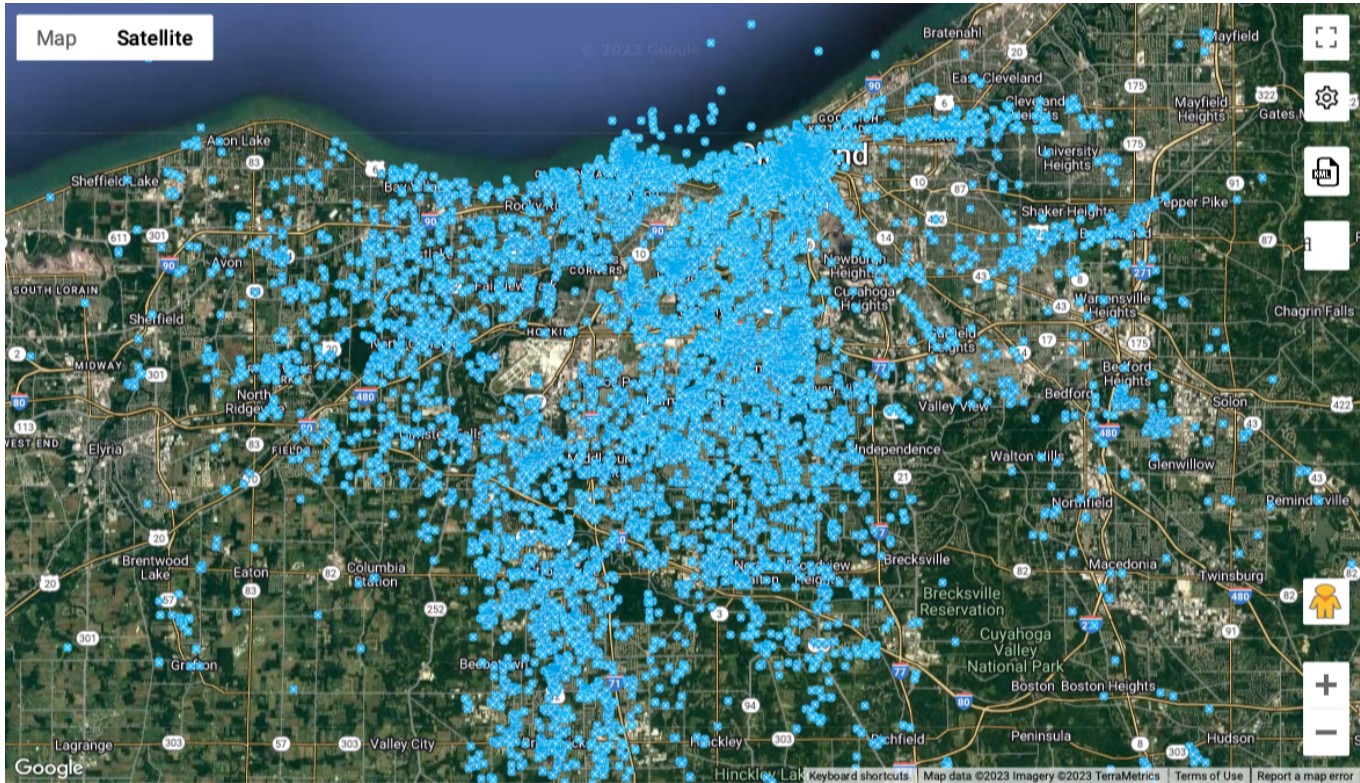


Flight Count by Altitude Range (ft)



192 Day Drone Activity Report

Map of Homepoint Locations





News Release

Office of University Relations • 275 Eastland Road • Berea, Ohio 44017-2088 • 440-826-2325

FOR IMMEDIATE RELEASE

DATE, 2023

BW Contact: [Shawn Salamone](#)
440-829-2322

Critical Ops Contact: Chelsea Treboniak
443-404-1879

BW announces launch of NEOFIX, Cuyahoga County's new drone safety platform

The digital data-sharing system aims to enhance uncrewed aerial flight safety and to drive economic growth by positioning Northeast Ohio as a leader in the drone industry.

BEREA, Ohio—Baldwin Wallace University's [Technology Partnerships Initiative](#) in collaboration with [ATA, LLC](#), has launched the [Northeast Ohio Flight Information Exchange \(NEOFIX\)](#), a digital data-sharing system designed to enhance drone safety, starting in Cleveland and Cuyahoga County.

NEOFIX provides real-time awareness of ground policies, infrastructure, and activities that may impact flight operations, enabling state and local public safety agencies, government entities, drone pilots, and the public to provide crucial information, promote transparency, and ensure a high level of safety and accountability in drone operations.

Filling the gaps, unlocking potential

"Our goal with NEOFIX is to create a centralized hub for flight information that empowers responsible drone use and enhances situational awareness for both operators and public safety," said Stuart Mendel of Baldwin Wallace University's Technology Partnerships Initiative.

"By filling the gap between traditional aviation charts and street maps, NEOFIX unlocks economic prospects and positions Cleveland and Cuyahoga County as drone industry pioneers, prioritizing public safety and the rights of citizens and harnessing drones for advanced emergency response." The graphic below elaborates on these promises, applicable to Cleveland, Cuyahoga County, and all of Ohio.

Transformative centralized information hub

NEOFIX is an Authoritative Supplemental Data Service Provider (ASDSP) that provides the operators of drones, which are also known as Uncrewed Aircraft Systems or UAS, with essential information for informed decisions, operational efficiency and risk mitigation. It is a centralized hub that enhances collaboration, communication, and safety for operators, public safety agencies, government entities, UAS Service Suppliers (USS) and the public. NEOFIX also offers

access to safety advisories, weather assessments, local infrastructure details, topography insights and real-time updates.

As a shared governance model and authoritative source for clearer, higher quality information that is critical for drone pilots, NEOFIX is an essential component for building a [UAS Traffic Management](#) (UTM) System. It provides a situational awareness of the ground that is sent to service suppliers for the drone industry that are currently developing UTM systems.

These commercial UTM systems are designed to operate like air traffic control in the close reaches of the airspace. They will soon be used for drones to fly greater distances beyond the visual line of sight of their operators.



"NEOFIX represents a transformative platform that empowers drone operators with comprehensive information, ensures safe integration, and fosters the growth and advancement of the drone industry in a cost-effective manner," said John Eberhardt, the chief technology officer of ATA. "By embracing NEOFIX, operators gain critical data, promote regulatory compliance, and enhance drone safety."

Cuyahoga County leading the way

With the support from [Cuyahoga County](#) District 2 Councilman Dale Miller, Baldwin Wallace secured \$225,000 in funding for the inaugural year of NEOFIX from the federal COVID-19 stimulus package, which was part of the American Rescue Plan Act. This financial support sets the stage for the successful launch and implementation of the program and positions Northeast Ohio for private investment in infrastructure, education and jobs as the industry continues to expand in the region and eventually to the entire state.

NEOFIX helps to improve the safety and efficiency of using drones in various industries to drive this economic growth. For example, drones are used in construction to inspect buildings and bridges, reducing the need for workers to perform these tasks that are often dangerous, time consuming and expensive by traditional methods. Drones fly over farmland, helping farmers survey their fields more quickly. First responders deploy drones to conduct search and rescue operations, deliver medical supplies and other emergency response missions.

Additionally, NEOFIX provides environmental benefits by creating infrastructure to support drone services in Northeast Ohio that reduce the need for larger ground transportation vehicles for deliveries. Drones are also powered by electric or hydrogen, which are cleaner energy sources. And when integrated with sensor information, drones strengthen the area's resilience against severe weather conditions and climate events, fostering a safer and more sustainable community.

Publicly-owned and governed

NEOFIX is a publicly owned digital service with data in the public domain, such as take-off and landing areas, critical infrastructure, local guidance and rules, and existing sensors. It uses an open interface for authorized users to publish key information.

A user group with representatives from state and local government and public safety agencies, service suppliers, critical infrastructure providers will govern the system and identify the types of information that can be properly and consistently described and published. Private industry partners, including Critical Ops, LLC, an Ohio-based integration consulting firm, is helping guide and shape sustainable NEOFIX operations in Ohio.

“Government data provides a common operating picture, benefiting operators and industries. As information integrators, we facilitate the flow of data to end users as public digital services,” Eberhardt said. “Our model helps lower operating costs for operators, governments, and industries while addressing their needs.”

For more information about NEOFIX and public access to the system, please visit the NEOFIX: <https://bw-centers-tech-partnerships.org/neofix/>.

About NEOFIX:

NEOFIX is administered by Baldwin Wallace University (BW) in Berea, Ohio, with funding support from Cuyahoga County, Ohio. The data in NEOFIX is owned and managed by BW as a public asset for the people of Cuyahoga County. NEOFIX provides authoritative state and local data sharing for local and state agencies, to UAS Service Suppliers (USS), and to Uncrewed Aerial Systems (UAS) and Advanced Aerial Mobility (AAM) operators. For more information, please visit NEOFIX: <https://oh-fix.com>.

About Baldwin Wallace University Technology Partnerships Initiative:

Baldwin Wallace University's Technology Partnerships Initiative creates the conditions for technology and related businesses development to benefit the education and career

opportunities of BW students, faculty and alumni in the region and Cuyahoga County communities adjacent and nearby to NASA Glenn Research Center and CLE Hopkins. The work products draw on the notion that BW will incubate social enterprise and engage public private partnership principles as if it were a nonprofit intermediary organization housed in a university setting. For more information, please visit <https://bw-centers-tech-partnerships.org/>

About ATA:

ATA, LLC (Advanced Technology Applications) is the full stack data solutions company focused on the DESIGN+BUILD of scalable, sustainable capabilities to improve organizational performance, optimize investments, reduce risk and use data as a strategic asset. ATA's Aviation division is partnering with state and local governments to provide the digital infrastructure needed to safely integrate civil and commercial Unmanned Aircraft Systems (UAS) and Advanced Air Mobility (AAM) operations in the National Airspace. Visit ATA's website for more information at www.ata-llc.com and www.ata-uas.com.

About Critical Ops:

Critical Ops is an integration consulting company founded in 2012, aimed at assisting organizations with major transformations, merger and acquisition initiatives, and project management. The company offers integration strategy and framework design services, leading functional teams, developing workstreams, and monitoring system transitions. Visit Critical Ops' website for more information at <https://criticalops.com/>.

About G2G Consulting:

[G2G](http://www.g2gconsulting.com/) was founded in 2007 by Liz Powell in Cleveland. With offices in Washington, DC, Cleveland and Columbus, G2G is a bipartisan team that provides Government to Growth strategies for businesses and nonprofits. Visit G2G's website for more information at <https://www.g2gconsulting.com/>.



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NEWS POSTS

September 29, 2022 – September 30, 2023

Dayton, Ohio, Birthplace of Aviation, Selected by Joby Aviation for First Scaled Manufacturing Facility

09/29/23

<https://bw-centers-tech-partnerships.org/dayton-ohio-birthplace-of-aviation-selected-by-joby-aviation-for-first-scaled-manufacturing-facility/>

FAA Authorizes Delivery of Commercial Packages Using Drones that Fly Beyond Operator's Line of Sight

09/26/23

<https://bw-centers-tech-partnerships.org/faa-authorizes-delivery-of-commercial-packages-using-drones-that-fly-beyond-operators-line-of-sight/>

Construction Drone Market 2023 Report Unveils Promising Growth &

09/21/23

<https://bw-centers-tech-partnerships.org/construction-drone-market-2023-report-unveils-promising-growth-trends/>

Drones Monitor Water Levels for Threatened Bull Trout in Washington

09/18/23

<https://bw-centers-tech-partnerships.org/drones-monitor-water-levels-for-threatened-bull-trout-in-washington/>

Pivoting to a Fully Connected Aviation Ecosystem

09/11/23

<https://bw-centers-tech-partnerships.org/pivoting-to-a-fully-connected-aviation-ecosystem/>

Empowering Fire Chiefs: Leveraging Vital Drone Tech Access and Procurement Efficiency

09/08/23



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<https://bw-centers-tech-partnerships.org/empowering-fire-chiefs-leveraging-vital-drone-tech-access-and-procurement-efficiency/>

EMED Group and Skyports Drone Services Trial Medical Courier Services by Drone
09/05/23

<https://bw-centers-tech-partnerships.org/emed-group-and-skyports-drone-services-trial-medical-courier-services-by-drone/>

FAA Updates Fact Sheet on State and Local Drone Regulations
08/31/23

<https://bw-centers-tech-partnerships.org/faa-updates-fact-sheet-on-state-and-local-drone-regulations/>

NEOFIX Featured on Cleveland.com: Public infrastructure for the sky? Baldwin Wallace launches NEOFIX to help drones fly safely
08/28/23

<https://bw-centers-tech-partnerships.org/neofix-featured-on-cleveland-com-public-infrastructure-for-the-sky-baldwin-wallace-launches-neofix-to-help-drones-fly-safely/>

BW Announces Launch of NEOFIX, Cuyahoga County's New Drone Safety Platform
08/24/23

<https://bw-centers-tech-partnerships.org/bw-announces-launch-of-neofix-cuyahoga-countys-new-drone-safety-platform/>

FAA Issues Implementation Plan Outlining Steps to Usher in Advanced Air Mobility
08/15/23

<https://bw-centers-tech-partnerships.org/faa-issues-implementation-plan-outlining-steps-to-usher-in-advanced-air-mobility/>

USAID Delivers Skydio Autonomous Drones to Ukraine to Document War Crimes
08/10/23



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<https://bw-centers-tech-partnerships.org/usaaid-delivers-skydio-autonomous-drones-to-ukraine-to-document-war-crimes/>

FAA Offers Funding to Inspire Students to Become Pilots or Maintenance Technicians
08/07/23

<https://bw-centers-tech-partnerships.org/faa-offers-funding-to-inspire-students-to-become-pilots-or-maintenance-technicians/>

Volatus Drones Help Alberta Battle Canada's Enormous Wildfires
08/04/23

<https://bw-centers-tech-partnerships.org/volatus-drones-help-alberta-battle-canadas-enormous-wildfires/>

House Passes FAA Reauthorization Bill, "Securing Growth and Robust Leadership in American Aviation Act"
08/01/23

<https://bw-centers-tech-partnerships.org/house-passes-faa-reauthorization-bill-securing-growth-and-robust-leadership-in-american-aviation-act/>

The Future Takes Flight: Drones Enhancing Safety & Community at the 2023 Shenandoah Apple Blossom Festival
07/26/23

<https://bw-centers-tech-partnerships.org/the-future-takes-flight-drones-enhancing-safety-community-at-the-2023-shenandoah-apple-blossom-festival/>

Second Quarterly Report on the Northeast Ohio Information Exchange: Digital Infrastructure for Drone Services in Cuyahoga County
07/13/23

<https://bw-centers-tech-partnerships.org/second-quarterly-report-on-the-northeast-ohio-information-exchange-digital-infrastructure-for-drone-services-in-cuyahoga-county/>



Technology Partnerships Initiative | Baldwin Wallace University

Alef Aeronautics' Flying Car Design Awarded FAA Special Airworthiness Approval

07/03/23

<https://bw-centers-tech-partnerships.org/alef-aeronautics-flying-car-design-awarded-faa-special-airworthiness-approval/>

Drones Propel Farming into the Future in Ohio

07/01/23

<https://bw-centers-tech-partnerships.org/drones-propel-farming-into-the-future-in-ohio/>

So, You Want to Be a Commercial Drone Pilot?

06/28/23

<https://bw-centers-tech-partnerships.org/so-you-want-to-be-a-commercial-drone-pilot/>

Prevention, Response, and Recovery: GLOBHE Uses Drones to Manage Disasters Around the World

06/25/23

<https://bw-centers-tech-partnerships.org/prevention-response-and-recovery-globhe-uses-drones-to-manage-disasters-around-the-world/>

Draganfly Drones Aid Ukraine Rescue of Kherson Flood Victims

06/22/23

<https://bw-centers-tech-partnerships.org/draganfly-drones-aid-ukraine-rescue-of-kherson-flood-victims/>

House Panel Unanimously Passes FAA Reauthorization Act, Major Tech Provisions

06/19/23

<https://bw-centers-tech-partnerships.org/house-panel-unanimously-passes-faa-reauthorization-act-major-tech-provisions/>



Technology Partnerships Initiative | Baldwin Wallace University

Northeast Ohio Flight Information Exchange (NEOFIX): A Public-Private Partnership To Develop Drone Infrastructure For Economic Development, Public Safety Cyber Security And Emergency Preparedness

06/12/23

<https://bw-centers-tech-partnerships.org/northeast-ohio-flight-information-exchange-neofix-a-public-private-partnership-to-develop-drone-infrastructure-for-economic-development-public-safety-cyber-security-and-emergency-preparedness/>

Public Safety Drones Market Report Includes Dynamics, Products, and Application 2023 – 2032

06/10/23

<https://bw-centers-tech-partnerships.org/public-safety-drones-market-report-includes-dynamics-products-and-application-2023-2032/>

Drones on the front lines in public safety operations

06/08/23

<https://bw-centers-tech-partnerships.org/drones-on-the-front-lines-in-public-safety-operations/>

Time to revisit use of drones by law enforcement when public safety is at stake

06/05/23

<https://bw-centers-tech-partnerships.org/time-to-revisit-use-of-drones-by-law-enforcement-when-public-safety-is-at-stake/>

Allen County, Ohio, to Purchase Public Safety Drone

06/02/23

<https://bw-centers-tech-partnerships.org/allen-county-ohio-to-purchase-public-safety-drone/>

Emergency Management Drones: What are they, what do they do?

05/30/23

<https://bw-centers-tech-partnerships.org/emergency-management-drones-what-are-they-what-do-they-do/>



Technology Partnerships Initiative | Baldwin Wallace University

NASA Deploys PC-12 For Advanced Air Mobility Trials

05/22/23

<https://bw-centers-tech-partnerships.org/nasa-deploys-pc-12-for-advanced-air-mobility-trials/>

CAL Analytics to Provide Uncrewed Traffic Management Services to State of Ohio

05/18/23

<https://bw-centers-tech-partnerships.org/cal-analytics-to-provide-uncrewed-traffic-management-services-to-state-of-ohio/>

Mission Possible: Taking the Drone Economy to New Heights in Northeast Ohio

05/16/23

<https://bw-centers-tech-partnerships.org/mission-possible-taking-the-drone-economy-to-new-heights-in-northeast-ohio/>

Walmart Partner DroneUp Pushes to Enhance Drone Flight Safety

05/13/23

<https://bw-centers-tech-partnerships.org/walmart-partner-droneup-pushes-to-enhance-drone-flight-safety/>

Aloft UTM Launches Air Boss

05/10/23

<https://bw-centers-tech-partnerships.org/aloft-utm-launches-air-boss/>

Can You Zone Drone Use?

05/01/23

<https://bw-centers-tech-partnerships.org/can-you-zone-drone-use/>

Drone Industry in the US: An Overview of a Game-Changer

04/28/23



Technology Partnerships Initiative | Baldwin Wallace University

<https://bw-centers-tech-partnerships.org/drone-industry-in-the-us-an-overview-of-a-game-changer/>

UAV Manufacturing in the US – Employment Statistics 2005–2029

04/25/23

<https://bw-centers-tech-partnerships.org/uav-manufacturing-in-the-us-employment-statistics-2005-2029/>

Drone market outlook in 2023: industry growth trends, market stats and forecast

04/22/23

<https://bw-centers-tech-partnerships.org/drone-market-outlook-in-2023-industry-growth-trends-market-stats-and-forecast/>

Job Growth in the Drone Industry

04/19/23

<https://bw-centers-tech-partnerships.org/job-growth-in-the-drone-industry/>

Agriculture Drone Software Market Research Report 2023-2033 Market R & D

04/11/23

<https://bw-centers-tech-partnerships.org/agriculture-drone-software-market-research-report-2023-2033-market-r-d/>

NIMBUS receives \$2M to advance drones' role in climate change research

04/06/23

<https://bw-centers-tech-partnerships.org/nimbus-receives-2m-to-advance-drones-role-in-climate-change-research/>

Drone Sensors Market to Reach USD 2,391.5 million by 2032

04/03/23

<https://bw-centers-tech-partnerships.org/drone-sensors-market-to-reach-usd-2391-5-million-by-2032/>



Technology Partnerships Initiative | Baldwin Wallace University

US Needs Improved Regulation to Foster Drone R&D

03/30/23

<https://bw-centers-tech-partnerships.org/us-needs-improved-regulation-to-foster-drone-research-and-development/>

Ohio House aviation committee seeks to help state soar

03/18/23

<https://bw-centers-tech-partnerships.org/ohio-house-aviation-committee-seeks-to-help-state-soar/>

Manufacturing Works Programs and Events | March 2023

03/01/23

<https://bw-centers-tech-partnerships.org/manufacturing-works-programs-and-events-march-2023/>

NEOFIX Featured in North Coast Drone Alliance News

02/23/23

<https://bw-centers-tech-partnerships.org/neofix-featured-norcodanews-022323/>

The State of the Drone Industry | Drone Industry Insights

02/17/23

<https://bw-centers-tech-partnerships.org/state-of-drone-industry-2022-021623/>

Air Traffic Control for Drones – Run by Computers | NoCamels Israeli Innovation News

02/14/23

<https://bw-centers-tech-partnerships.org/air-traffic-control-for-drones-run-by-computers/>

How a Drone from a Tampa Walmart Makes Deliveries | Tampa Bay Times

02/14/23

<https://bw-centers-tech-partnerships.org/how-drone-from-tampa-walmart-makes-deliveries/>



Technology Partnerships Initiative | Baldwin Wallace University

Drone Prepared | February 10, 2023

02/14/23

<https://bw-centers-tech-partnerships.org/drone-prepared-021023/>

6 Barriers to Drone Adoption in Public Safety & Emergency Services and How to Overcome Them

02/09/23

<https://bw-centers-tech-partnerships.org/6-barriers-drone-adoption-public-safety-emergency/>

Ohio: The Birthplace of Aviation

01/23/23

<https://bw-centers-tech-partnerships.org/ohio-birthplace-aviation-drone-industry/>

FAA Unmanned Aircraft System Traffic Management Concept of Operations

10/19/22

<https://bw-centers-tech-partnerships.org/faa-unmanned-aircraft-system-traffic-management/>

The Technology Partnerships Initiative at BW

09/29/22

<https://bw-centers-tech-partnerships.org/technology-partnerships-initiative-bwu/>

NEOFIX: A Partnership to Develop Drone Infrastructure

09/29/22

<https://bw-centers-tech-partnerships.org/neofix-partnership-drone-infrastructure/>

Critical Infrastructure Modernization Forum

09/29/22

<https://bw-centers-tech-partnerships.org/critical-infrastructure-modernization-forum-092022/>



Technology Partnerships Initiative | Baldwin Wallace University

BW Faculty Connections with the Technology Partnerships Initiative

09/29/22

<https://bw-centers-tech-partnerships.org/bwu-faculty-connections-with-the-technology-partnerships-initiative/>

EVENTS POSTS

September 29, 2022 – September 30, 2023

June 21, 2023 | Uncrewed Aerial System (UAS) Operators and Industry Stakeholder Engagement

<https://bw-centers-tech-partnerships.org/event-june-21-2023-uncrewed-aerial-system-uas-operators-and-industry-stakeholder-engagement/>

May Virtual Meetings (NEOFIX)

<https://bw-centers-tech-partnerships.org/may-virtual-meetings-neofix/>

May 16-17, 2023 | Ohio Global Aerospace Summit

<https://bw-centers-tech-partnerships.org/event-may-16-17-2023-ohio-global-aerospace-summit/>

May 2, 2023 | Reaching New Heights in Advanced Air Mobility (AAM)

<https://bw-centers-tech-partnerships.org/event-may-2-2023-reaching-new-heights-in-advanced-air-mobility-aam/>

April 29, 2023 | Drone Safety Day

<https://bw-centers-tech-partnerships.org/event-april-29-2023-drone-safety-day/>

April 29, 2023 | Young Eagles Rally, EAA Chapter 1252

<https://bw-centers-tech-partnerships.org/event-april-29-2023-young-eagles-rally-eaa-chapter-1252/>



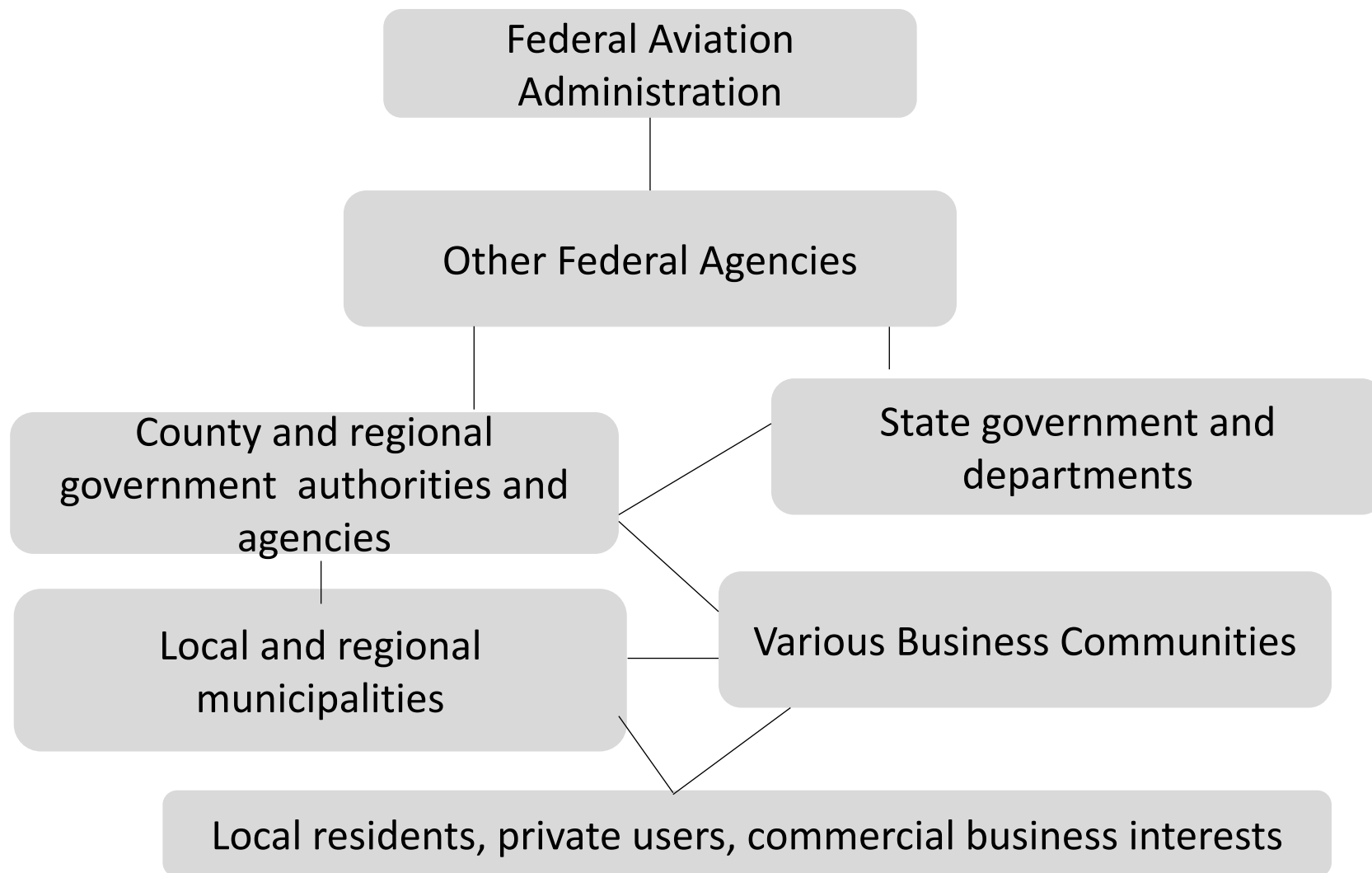
Technology Partnerships Initiative | Baldwin Wallace University

April 12, 2023 | Uncrewed Aerial System (UAS) Operators and Industry Stakeholder Engagement
<https://bw-centers-tech-partnerships.org/event-april-12-2023-uncrewed-aerial-system-uas-operators-and-industry-stakeholder-engagement-2/>

March 8, 2023 | Uncrewed Aerial System (UAS) Operators and Industry Stakeholder Engagement
<https://bw-centers-tech-partnerships.org/event-march-8-2023-uncrewed-aerial-system-uas-operators-and-industry-stakeholder-engagement/>

February 8, 2023 | Uncrewed Aerial System (UAS) Operators and Industry Stakeholder Engagement
<https://bw-centers-tech-partnerships.org/uas-operators-industry-stakeholder-engagement/>

NEOFIX Public Infrastructure Authority Flow Diagram



FAA legislative release

House Panel Unanimously Passes FAA Reauthorization Act, Major Tech Provisions

The Transportation and Infrastructure Committee Wednesday approved bipartisan legislation to reauthorize the Federal Aviation Administration (FAA) and aviation safety and infrastructure programs for the next five years, by a unanimous 63-0 vote.

The Securing Growth and Robust Leadership in American Aviation Act was introduced on June 9 by Transportation and Infrastructure Committee Chairman Sam Graves, R-Mo., Ranking Member Rick Larsen, D-Wash., Aviation Subcommittee Chairman Garret Graves, R-La., and Ranking Member Steve Cohen, D-Tenn., and includes several tech provisions to bolster security and innovation within the Federal aviation sector.

The nearly 800-page bill will now go to the House floor for a vote, with hopes of getting it across President Joe Biden's desk before the FAA's current authorization expires on Sept. 30.

"This bipartisan bill is critical to America's global leadership in aviation, to our economy and millions of jobs, and to making the entire system safer and more efficient for all users and the traveling public," said Chairman Sam Graves when his committee passed the bill on June 14 – after two full days of debate.

The committee's legislation comes after five grueling FAA reauthorization hearings, and one nationwide ground stop when the agency's Notice to Air Missions system broke down earlier this year – sparking bipartisan concern over the agency's outdated IT systems and cybersecurity.

The House bill has four sections dedicated to improving aviation technologies and the workforce:

- Improving FAA efficiency and operations: The bill makes targeted changes to the organizational structure of the FAA to improve the overall efficiency of the agency, allow for innovation, and streamline the regulatory process;
- Growing the aviation workforce: This bill addresses workforce challenges by removing barriers to pursuing aviation careers, expanding the aviation workforce pipeline, improving training standards, and more;
- Upholding America's gold standard in safety: The bill addresses several safety issues, including the recent uptick in runway incursions, to ensure the United States, and the FAA, remain the world's gold standard in aviation safety; and
- Encouraging aviation innovation: America has been a leader in aviation innovation. Unfortunately, due to bureaucratic hurdles, endless research, and pilot programs that are not leading to the development and incorporation of new technologies, China and other countries are beginning to surpass the United States. The bill encourages the safe

yet more efficient testing and integration of new technologies, such as drones and Advanced Air Mobility, into the airspace.

“The Securing Growth and Robust Leadership in American Aviation Act is the most comprehensive aviation legislation the Transportation and Infrastructure Committee has ever approved. This legislation will help to improve the passenger experience for all travelers while laying the groundwork for innovators and new technologies to advance in America,” said Aviation Subcommittee Chairman Garret Graves.

“This legislation will make the Federal Aviation Administration’s structure more certain, predictable, and capable of facilitating improvements and innovations in our national airspace,” he added. “These transformational changes will ensure that the United States can continue to set the gold standard in aviation safety while leading the world in aviation innovation.”

<https://www.meritalk.com/articles/house-panel-unanimously-passes-faa-reauthorization-act-major-tech-provisions/>

Draganfly Drones Aid Ukraine Rescue of Kherson Flood Victims

Canadian drone hardware and software solution specialist Draganfly has moved quickly to adapt the activity of its transport and situational awareness UAVs in Ukraine to provide emergency aerial support of efforts to rescue flooding victims in Kherson.

Draganfly said its drones – which have already been operation for months assisting Ukraine’s defense forces, medical units, and humanitarian organizations respond to Russian attacks – were spirited to the south of the nation to assist victims of the massive flooding. The crisis was sparked on June 6 when destruction of the Kakhovka dam in Kherson left an estimated 230 square miles of populated land under water.

<https://dronedj.com/2023/06/15/draganfly-drones-aid-ukraine-rescue-of-kherson-flood-victims/>

Prevention, Response, and Recovery: GLOBHE Uses Drones to Manage Disasters Around the World

A DRONELIFE exclusive interview with Margherita Bruscolini of GLOBHE about her work in providing the vital information that disaster management teams around the world need to save lives and land.

<https://dronelife.com/2023/06/05/prevention-response-and-recovery-globhe-uses-drones-to-manage-disasters-around-the-world/>

So, You Want to Be a Commercial Drone Pilot?

As the commercial drone industry continues to grow, so does the demand for pilots.

According to recent reports, some 100,000 drone-related jobs will be created over the next two years as companies ramp up their uncrewed operations. Many of those jobs will be pilot jobs, and companies will be looking for qualified operators to work in fields such as farming, mining, law enforcement, construction, insurance, energy, and many others.

These will be good jobs, too. An article posted by the online training site DroneU stated that the median salary for a drone pilot is \$82,000, but some pilots can earn more than \$100,000. Senior-level pilots can charge more than \$74 per hour for their services, while entry-level operators can charge a respectable \$41.21 per hour. Among the highest paying fields for drone pilots are mapping and surveying, transportation, and environmental services.

But who will get those jobs? What set of skills and capabilities will impress would-be employers? How can prospective pilots get the training and experience necessary to launch a career in the world of commercial drones?

Below is a look at what commercial drone pilots need to have, need to know, and need to do to thrive in this vibrant and expanding field.

<https://www.commercialuavnews.com/international/so-you-want-to-be-a-commercial-drone-pilot>

Drones Propel Farming into the Future in Ohio

Farmers are using drones to improve efficiency.

Nate Douridas is the Farm Manager at The Ohio State University's Molly Caren Agricultural Center in London, Ohio.

Douridas said drone use allows farmers to rely on clear and specific data instead of forcing farmers to make informed guesses when replanting certain areas of a field or applying water, nutrients, etc.

Evan Delk is the President of Integrated Ag Services. He and drone pilot Justin Vaughn assist farmers with drone use and crop scouting. "We're using this drone technology to help farmers make better decisions," Delk said.

Within minutes, their drone and the cameras that are attached to it survey hundreds of acres of land, capturing high-resolution images, and combining them with artificial intelligence.

"It takes a wide picture and then it takes a close picture, which is where all of the real data comes from," Vaughn said.

That information is then converted it data that farmers, like Douridas, use to improve their crops and business.

<https://spectrumnews1.com/oh/columbus/news/2023/05/25/ag-report--drones-propel-farming-into-the-future>



AGENDA
CUYAHOGA COUNTY COUNCIL REGULAR MEETING
TUESDAY, AUGUST 1, 2023
CUYAHOGA COUNTY ADMINISTRATIVE HEADQUARTERS
C. ELLEN CONNALLY COUNCIL CHAMBERS – 4TH FLOOR
5:00 PM

1. **CALL TO ORDER**
2. **ROLL CALL**
3. **PLEDGE OF ALLEGIANCE**
4. **SILENT MEDITATION**
5. **PUBLIC COMMENT/PUBLIC HEARING**
 - a) **Items for Public Hearing**
 - 1) O2023-0012: An Ordinance amending and codifying Board of County Commissioners Resolution No. 2007-073101 dated July 26, 2007, and enacting new Chapter 727, Section 727.01 of the Cuyahoga County Code to change the period of time during which the County sales tax shall be levied at the aggregate rate of one and one-fourth percent; and declaring the necessity that this Ordinance become immediately effective.

Sponsors: County Executive Ronayne/Fiscal Office/Office of Budget and Management and Councilmember Miller
 - 2) O2023-0013: An Ordinance amending and codifying Board of County Commissioners Resolution No. 2007-073102 dated July 26, 2007 and enacting new Chapter 727, Section 727.02 of the Cuyahoga County Code to change the period of time during which the County use tax shall be levied at the

aggregate rate of one and one-fourth percent; and declaring the necessity that this Ordinance become immediately effective.

Sponsors: County Executive Ronayne/Fiscal Office/Office of Budget and Management and Councilmember Miller

6. APPROVAL OF MINUTES

- a) July 18, 2023 Committee of the Whole Meeting
- b) July 18, 2023 Regular Meeting
- c) July 24, 2023 Committee of the Whole Meeting
- d) July 24, 2023 Special Meeting

7. ANNOUNCEMENTS FROM THE COUNCIL PRESIDENT

8. MESSAGES FROM THE COUNTY EXECUTIVE

9. LEGISLATION INTRODUCED BY COUNCIL

b) CONSIDERATION OF RESOLUTIONS OF COUNCIL FOR FIRST READING AND REFERRAL TO COMMITTEE

- 1) R2023-0222: A Resolution awarding a total sum, not to exceed \$250,000, to Mobile Med1 d.b.a. Medworks for the purpose of expanding Medworks Oral Health and Dental Care in Cleveland from the District 7 ARPA Community Grant Fund; and declaring the necessity that this Resolution become immediately effective.

Sponsor: Councilmember Conwell

- 2) R2023-0223: A Resolution adopting various changes to the Cuyahoga County Non-Bargaining Classification Plan and; and declaring the necessity that this Resolution become immediately effective.

Sponsor: Councilmember Turner on behalf of Cuyahoga County Personnel Review Commission

c) COMMITTEE REPORT AND CONSIDERATION OF A RESOLUTION OF COUNCIL FOR SECOND READING

- 1) R2023-0204: A Resolution awarding a total sum, not to exceed \$25,000, to the Neighborhood Pets Outreach &

Resource Center for Pet Care Support for Homebound Seniors from the District 8 ARPA Community Grant Fund; and declaring the necessity that this Resolution become immediately effective.

Sponsor: Councilmember Jones

Committee Assignment and Chair: Education, Environment & Sustainability – Simon

d) CONSIDERATION OF RESOLUTIONS OF COUNCIL FOR THIRD READING ADOPTION

- 1) R2023-0166: A Resolution awarding a total sum, not to exceed \$106,000, to Merrick House for the Youth Development and Leadership Program from the District 7 ARPA Community Grant Fund; and declaring the necessity that this Resolution become immediately effective.

Sponsor: Councilmember Conwell

Committee Assignment and Chair: Education, Environment & Sustainability – Simon

- 2) R2023-0167: A Resolution awarding a total sum, not to exceed \$49,000, to Merrick House for capital improvements to the Merrick House Community Center from the District 7 ARPA Community Grant Fund; and declaring the necessity that this Resolution become immediately effective.

Sponsor: Councilmember Conwell

Committee Assignment and Chair: Education, Environment & Sustainability – Simon

- 3) R2023-0169: A Resolution awarding a total sum, not to exceed \$75,000, to the Catholic Charities Job and Career Training Center for the Workforce Development Career Pathways Project from the District 7 ARPA Community Grant Fund; and declaring the necessity that this Resolution become immediately effective.

Sponsor: Councilmember Conwell

Committee Assignment and Chair: Education, Environment & Sustainability – Simon

- 4) R2023-0173: A Resolution awarding a total sum, not to exceed \$25,000, to the Olivet Housing and Community Development Corporation for the NECESS Initiative and workforce development training and education from the District 7 ARPA Community Grant Fund; and declaring the necessity that this Resolution become immediately effective.

Sponsor: Councilmember Conwell

Committee Assignment and Chair: Education, Environment & Sustainability – Simon

- 5) R2023-0185: A Resolution awarding a total sum, not to exceed \$9,998, to the City of Fairview Park for the Fairview Park Police Patrol Bicycle Project from the District 1 ARPA Community Grant Fund; and declaring the necessity that this Resolution become immediately effective.

Sponsor: Councilmember Kelly

Committee Assignment and Chair: Public Safety & Justice Services – Gallagher

- 6) R2023-0186: A Resolution awarding a total sum, not to exceed \$225,000, to Baldwin Wallace University for year 2 of the Northeast Ohio Flight Information Exchange (NEOFIX) Program from the District 2 ARPA Community Grant Fund and the Department of Development's General Fund budget; and declaring the necessity that this Resolution become immediately effective.

Sponsors: Councilmember Miller, County Executive Ronayne and Councilmember Turner

Committee Assignment and Chair: Public Safety & Justice Services – Gallagher

- 7) R2023-0187: A Resolution awarding a total sum, not to exceed \$250,000, to the Old Brooklyn Community Development Corporation for the purpose of Memphis and Pearl redevelopment project from the District 3 ARPA Community Grant Fund; and declaring the necessity that this

Resolution become immediately effective.

Sponsor: Councilmember Sweeney

Committee Assignment and Chair: Economic Development and Planning– Schron

- 8) R2023-0188: A Resolution awarding a total sum, not to exceed \$10,000, to Enlightened Solutions for Project Noir from the District 9 ARPA Community Grant Fund; and declaring the necessity that this Resolution become immediately effective.

Sponsor: Councilmembers Turner and Jones

Committee Assignment and Chair: Community Development – Stephens

- 9) R2023-0189: A Resolution awarding a total sum, not to exceed \$30,000, to the Dunnican Foundation for the Comics at the Corner Literacy Lounge from the District 8, 9, 10 & 11 ARPA Community Grant Funds; and declaring the necessity that this Resolution become immediately effective.

Sponsors: Councilmembers Turner, Jones, Stephens and Simon

Committee Assignment and Chair: Education, Environment & Sustainability – Simon

- 10) R2023-0190: A Resolution awarding a total sum, not to exceed \$10,000, to Birthing Beautiful Communities for the Birth Center facility project from the District 9 ARPA Community Grant Fund; and declaring the necessity that this Resolution become immediately effective.

Sponsors: Councilmembers Turner, Miller, Sweeney, Conwell and Simon

Committee Assignment and Chair: Health, Human Services & Aging – Conwell

- 11) R2023-0191: A Resolution awarding a total sum, not to exceed \$100,000, to the McGregor Foundation for the McGregor Independent Living Project from the District 10

ARPA Community Grant Fund; and declaring the necessity that this Resolution become immediately effective.

Sponsors: Councilmembers Stephens, Turner and Jones

Committee Assignment and Chair: Community Development – Stephens

- 12) R2023-0192: A Resolution awarding a total sum, not to exceed \$23,000, to Share Homes Inc. for the SAFETEE Mental Health Tracker from the District 11 ARPA Community Grant Fund; and declaring the necessity that this Resolution become immediately effective.

Sponsor: Councilmember Simon, Miller, Sweeney, Conwell, Turner and Stephens

Committee Assignment and Chair: Health, Human Services & Aging – Conwell

10. LEGISLATION INTRODUCED BY EXECUTIVE

e) CONSIDERATION OF RESOLUTIONS FOR FIRST READING ADOPTION UNDER SUSPENSION OF RULES

- 1) R2023-0224: A Resolution amending the 2022/2023 Biennial Operating Budget for 2023 by providing for additional fiscal appropriations from the General Fund and other funding sources, for appropriation transfers between budget accounts and for cash transfers between budgetary funds, to meet the budgetary needs of various County departments, offices and agencies; and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne/Fiscal Officer/Office of Budget and Management

- 2) R2023-0225: A Resolution approving a proposed settlement in the matter of Deonte James v. Cuyahoga County, et al., United States District Court for the Northern District of Ohio, Eastern Division Case No. 1:21-cv-1958; authorizing the County Executive and/or his designee to execute a settlement agreement and any related documentation; authorizing the appropriation of funds for payment of settlement amounts set

forth herein; and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne/Department of Law

f) CONSIDERATION OF RESOLUTIONS FOR FIRST READING AND REFERRAL TO COMMITTEE

- 1) R2023-0226: A Resolution confirming the County Executive's appointment and reappointment of various individuals to serve on the Greater Cleveland Regional Transit Authority Board of Trustees for various terms; and declaring the necessity that this Resolution become immediately effective:

Appointments:

For the term 3/4/2023 – 3/3/2026

- i) Stephen Love

For an unexpired term ending 3/3/2024

- ii) Deidre McPherson

Reappointment:

For the term 3/4/2023 – 3/3/2026

- iii) Karen Moss

- 2) R2023-0227: A Resolution amending Resolution No. R2020-0100 dated 6/23/2020, which declared public convenience and welfare for the resurfacing of various roads, avenues and streets located in various municipalities in connection with the 2021-2024 Transportation Improvement Program, by changing the termini for Forbes Road from First Place to Richmond Road to Fair Oaks Road to Richmond Road in the Cities of Bedford, Bedford Heights and Village of Oakwood and to change the total estimated project cost from \$930,000.00 to \$2,130,000.00; and declaring the necessity that this Resolution become immediately effective:

- i) **Forbes Road from First Place to Richmond Road in the City of Bedford Heights and Village of Oakwood - Council Districts 6 and 9; total estimated project cost \$930,000.00.**
- ii) Harvard Road from East 190th Street to Warrensville Center Road in the City of Warrensville Heights- Council District 9; total estimated project cost \$900,000.00.
- iii) Green Road from Miles Road to Emery Road in the City of Warrensville Heights- Council District 9; total estimated project cost \$780,000.00.
- iv) Green Road from Mayfield Road to Cedar Road in the City of South Euclid- Council District 11; total estimated project cost is \$3,200,000.00.
- v) Wilson Mills Road from Richmond Road to the Eastern Corporation Line in the City of Richmond Heights- Council District 11; total estimated project cost \$860,000.00.
- vi) Ridge Road from Pearl Road to Flowerdale Avenue in the Cities of Brooklyn, Cleveland and Parma- Council District 2 and 4; total estimated project cost \$3,460,000.00.
- vii) Broadway Avenue from Macedonia Road to Richmond Road in the Village of Oakwood- Council District 6; total estimated project cost \$1,930,000.00.
- viii) Clague Road from Lorain Road to Marion Road in the City of North Olmsted- Council District 1; total estimated project cost \$840,000.00.
- ix) Rockside Road from East 141st Street to Sector Drive in the City of Maple Heights- Council District 8; total estimated project cost \$2,180,000.00.

- x) Hilliard Road from Warren Road to Riverside Drive in the City of Lakewood- Council District 2; total estimated project cost \$2,850,000.00.
- xi) Wilson Mills Road from Lander Road to Alpha Drive in the City of Highland Heights and Village of Mayfield- Council District 11; total estimated project cost \$860,000.00.
- xii) East 200th Street from Mohican Avenue to Lakeshore Boulevard in the Cities of Cleveland and Euclid- Council District 10 and 11; total estimated project cost \$1,670,000.00.
- xiii) Grant Avenue from East 49th Street to East 71st Street in the City of Cleveland and Village of Cuyahoga Heights- Council District 8; total estimated project cost \$1,050,000.00.
- xiv) Sheldon Road from Engle Road to Smith Road in the Cities of Brook Park and Middleburg Heights- Council District 2 and 4; total estimated project cost \$770,000.00

Sponsors: County Executive Ronayne/Department of Public Works/Division of County Engineer and Councilmembers Miller, Simon, Stephens and Conwell

- 3) R2023-0228: A Resolution authorizing an amendment to Contract No. 1383 (fka Contract No. CE1700088-01) with Level 3 Communications, LLC for lease of parking lot spaces located at 4000 Euclid Ave., Cleveland for use by the Department of Health and Human Services for the period 4/1/2017 – 6/30/2023, to extend the time period to 6/30/2028, to change the terms effective 7/1/2023 and for additional funds in the amount not-to-exceed \$157,500.00; authorizing the County Executive to execute the amendment and all other documents consistent with this Resolution; and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne/Department of Public Works

g) DISCHARGE FROM COMMITTEE AND CONSIDERATION OF A RESOLUTION FOR SECOND READING ADOPTION UNDER SUSPENSION OF RULES

- 1) R2023-0221: A Resolution authorizing the County Executive to accept dedication of land for Daisy Lane in The Sanctuary of Olmsted and the Preserve of Olmsted Subdivision (The Sanctuary & Preserve Subdivision) (Phase 3), located in Olmsted Township, as a public street along with established setback lines, rights-of-ways and easements (1.39 total acres); authorizing the County Executive to accept dedication of easements for public utilities, facilities, and appurtenances within The Sanctuary & Preserve Subdivision (Phase 3) to public use granted to the Olmsted Township and its corporate successors; authorizing the Clerk of Council to execute the Final Plat on behalf of County Council; and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne on behalf of Cuyahoga County Planning Commission

h) COMMITTEE REPORTS AND CONSIDERATION OF RESOLUTIONS FOR SECOND READING ADOPTION UNDER SUSPENSION OF RULES

- 1) R2023-0181: A Resolution approving a Cooperative Agreement with the City of Cleveland and a to-be-formed nonprofit corporation to be known as the North Coast Development Corporation (“NCDC”) to facilitate development and redevelopment projects on the City of Cleveland Lakefront; authorizing the appropriation of funds to make annual payments to the NCDC; authorizing the County Executive and/or his designee to execute the cooperative agreement and any related documents; and declaring the necessity that this Resolution become immediately effective. [Pending referral from committee]

Sponsor: County Executive Ronayne

Committee Assignment and Chair: Committee of the Whole – Jones

- 2) R2023-0182: A Resolution authorizing a Real Estate Purchase Agreement with CRAIG REALTY GROUP - CLEVELAND, LLC, or its designee, in an amount not-to-exceed \$38,703,000.00 for the purchase of certain parcels of real property in Garfield

Heights, Ohio with access to Granger Road totaling approximately 72.1 acres now known as permanent parcel numbers 542-14-004, 542-15-002, and 542-22-022, and a portion of permanent parcel number 542-14-002; authorizing the County Executive to take all necessary actions and to execute the Purchase Agreement and any and all other agreements and documents consistent with this Resolution; and declaring the necessity that this Resolution become immediately effective.

[Pending referral from committee]

Sponsor: County Executive Ronayne/Department of Public Works

Committee Assignment and Chair: Committee of the Whole – Jones

- 3) R2023-0208: A Resolution confirming the County Executive’s appointments and re-appointments of various individuals to serve on the Cuyahoga Regional HIV Health Services Planning Council for various terms; and declaring the necessity that this Resolution become immediately effective:

Appointments:

For the term 8/1/2023 – 7/31/2026

- iv) Anthony Thomas
- v) Daytona Harris
- vi) Elizabeth Aquiriano

Reappointment:

For the term 10/28/2023 – 7/31/2026

- vii) LeAnder Lovett

Sponsor: County Executive Ronayne

Committee Assignment and Chair: Human Resources, Appointments & Equity – Turner

- 4) R2023-0209: A Resolution declaring that public convenience and welfare requires the resurfacing of Snow Road from Ridge Road to State Road in the City of Parma at a total estimated

project cost of \$2,429,196.00; and finding that special assessments will neither be levied nor collected to pay for any part of the County's costs of said improvement; authorizing the County Executive to enter into an agreement of cooperation with City of Parma in connection with said project; and declaring the necessity that this Resolution become immediately effective.

Sponsors: County Executive Ronayne/Department of Public Works and Councilmember Tuma

Committee Assignment and Chair: Public Works, Procurement & Contracting – Tuma

- 5) R2023-0210: A Resolution approving Right-of-Way Exhibits as set forth in Plat No. M-5052 for rehabilitation of North Marginal Road Connector from East 9th Street to East 55th Street in the City of Cleveland; authorizing the County Executive through the Department of Public Works to acquire said necessary Right-of-Way; and declaring the necessity that this Resolution become immediately effective.

Sponsors: County Executive Ronayne/Department of Public Works/Division of County Engineer and Councilmembers Conwell, Turner, Miller and Sweeney

Committee Assignment and Chair: Public Works, Procurement & Contracting – Tuma

- 6) R2023-0211: A Resolution fixing the 2024 water, storm and sanitary sewer maintenance and/or sewerage treatment rates for County Sewer District Nos. 1, 1A, 2, 3, 5, 8, 9, 13, 14, 18, 20, 21, 22 and 24, in accordance with Ohio Revised Code Section 6117.02; and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne/Department of Public Works

Committee Assignment and Chair: Public Works, Procurement & Contracting – Tuma

- 7) R2023-0212: A Resolution approving and confirming the 2024 water, storm and sanitary sewer maintenance and/or sewerage treatment assessments for County Sewer District

Nos. 1, 1A, 2, 3, 5, 8, 9, 13, 14, 18, 20, 21, 22 and 24, in accordance with Ohio Revised Code Section 6117.02; and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne/Department of Public Works

Committee Assignment and Chair: Public Works, Procurement & Contracting – Tuma

- 8) R2023-0213: A Resolution making an award on RQ12725 with Specialized Construction, Incorporated in the amount not-to-exceed \$1,082,130.86 for asphalt resurface preservation, crack sealing and striping for the 2023 Countywide Preventative Maintenance Program; authorizing the County Executive to execute Contract No. 3582 and all other documents consistent with said award and this Resolution; and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne/Department of Public Works

Committee Assignment and Chair: Public Works, Procurement & Contracting – Tuma

- 9) R2023-0214: A Resolution making awards on RQ12381 with various engineering firms in the total amount not-to-exceed \$1,350,000.00 for general engineering services, commencing upon contract signature of all parties for a period of three (3) years; authorizing the County Executive to execute Contract Nos. 3585, 3586 & 3854 and all other documents consistent with said awards and this Resolution; and declaring the necessity that this Resolution become immediately effective:

- a) Contract No. 3854 with Crawford, Murphy & Tilly, Inc. in the amount not-to-exceed \$450,000.00.
- b) Contract No. 3585 with Chagrin Valley Engineering, Ltd. in the amount not-to-exceed \$450,000.00.
- c) Contract No. 3586 with The Mannik & Smith Group, Inc. in the amount not-to-exceed \$450,000.00.

Sponsor: County Executive Ronayne/Department of Public Works/Division of County Engineer

Committee Assignment and Chair: Public Works, Procurement & Contracting – Tuma

- 10) R2023-0215: A Resolution making an award on RQ12731 with R. L. Hill Management, Inc., in the amount not-to-exceed \$2,155,521.00 for construction of a multi-purpose room addition at the Cuyahoga County Animal Shelter; authorizing the County Executive to execute Contract No. 3588 and all other documents consistent with said award and this Resolution; and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne/Department of Public Works

Committee Assignment and Chair: Public Works, Procurement & Contracting – Tuma

- 11) R2023-0216: A Resolution authorizing an amendment to Contract No. 402 with Trinity Services Group, Inc. for jail food services for the Cuyahoga County Jail System for the period 6/15/2020 – 6/14/2023 to extend the time period to 9/30/2023 and for additional funds in the amount of \$936,886.00, for a total not-to-exceed amount of \$9,863,545.00; authorizing the County Executive to execute the amendment and all other documents consistent with this Resolution; and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne/County Sheriff

Committee Assignment and Chair: Public Safety & Justice Services – Gallagher

- 12) R2023-0217: A Resolution authorizing an amendment with various providers for real estate appraisal services in connection with the Sheriff's sale for the period 9/1/2017 – 8/31/2021 to extend the time period to 8/31/2026 and to modify various terms, effective upon contract signature of all parties; authorizing the County Executive to execute the amendments and all other documents consistent with this

Resolution; and declaring the necessity that this Resolution become immediately effective:

- a) Contract No. 3349 with John Andrews
- b) Contract No. 3410 with Brent Bailey
- c) Contract No. 3350 with Lana Blaze
- d) Contract No. 3351 with Vernon Blaze
- e) Contract No. 3352 with Mark Butler
- f) Contract No. 3354 with Richard Carey
- g) Contract No. 3355 with Tom Hogan
- h) Contract No. 3356 with Edward Horton
- i) Contract No. 3358 with Paul Kinczel
- j) Contract No. 3359 with John Koz
- k) Contract No. 3360 with Ruth Lassiter
- l) Contract No. 3361 with John Lenehan
- m) Contract No. 3362 with Wayne Levering
- n) Contract No. 3363 with Christopher Loftus
- o) Contract No. 3409 with John J. Lynch
- p) Contract No. 3365 with Paul McLaughlin
- q) Contract No. 3370 with Stan Patriski
- r) Contract No. 3367 with Daniel Rocco
- s) Contract No. 3368 with Michael Wagner
- t) Contract No. 3369 with Crystal Williams
- u) Contract No. 3435 with Gregory Williams

Sponsor: County Executive Ronayne/County Sheriff

Committee Assignment and Chair: Public Safety & Justice Services – Gallagher

- 13) R2023-0218: A Resolution authorizing an amendment to a master contract with various providers for emergency assistance services for the period 9/1/2021 – 8/31/2023, to extend the time period to 8/31/2024 and for additional funds in the total amount not-to-exceed \$1,575,000.00; authorizing the County Executive to execute the amendment and all other documents consistent with this Resolution; and declaring the necessity that this Resolution become immediately effective:

- a) Contract No. 1628 with A-Z Furniture Co., Inc. in the amount not-to-exceed \$315,000.00.
- b) Contract No. 1630 with Burlington Stores, Inc. in the amount not-to-exceed \$420,000.00.

- c) Contract No. 1633 with Dave’s Supermarket, Inc. in the amount not-to-exceed \$125,000.00.
- d) Contract No. 1634 with Penney OpCo LLC dba JC Penney in the amount not-to-exceed \$330,000.00.
- e) Contract No. 1635 with West 25th Furnishings and Appliances, Inc. in the amount not-to-exceed \$385,000.00.

Sponsor: County Executive Ronayne/Department of Health and Human Services/Division of Children and Family Services

Committee Assignment and Chair: Health, Human Services & Aging – Conwell

- 14) R2023-0219: A Resolution authorizing an amendment with various providers for permanent supportive housing services to chronically homeless single adults and high-barrier homeless persons for the period 7/1/2021 – 6/30/2023, to extend the time period to 6/30/2024 and for additional funds in the amount no-to-exceed \$2,000,000.00; authorizing the County Executive to execute the amendment and all other documents consistent with this Resolution; and declaring the necessity that this Resolution become immediately effective:
 - a) Contract No. 1602 with Emerald Development & Economic Network, Inc. in the amount not-to-exceed \$917,663.00.
 - b) Contract No. 1604 with Famicos Foundation, Ltd. dba 1800 Superior Apartments in the amount not-to-exceed \$150,097.00.
 - c) Contract No. 1605 with Front Steps Housing & Services, Inc. in the amount not-to-exceed \$334,538.00.
 - d) Contract No. 1617 with Mental Health Services for Homeless Persons, Inc dba FrontLine Services in the amount not-to-exceed \$160,005.00.
 - e) Contract No. 1606 with Humility of Mary Housing, Inc. in the amount not-to-exceed \$110,796.00.

f) Contract No. 1614 with Young Women’s’ Christian Association (YWCA) – Independence Place, LLC in the amount not-to-exceed \$141,576.00.

g) Contract No. 1613 with Young Women’s’ Christian Association (YWCA) – Cogswell Hall in the amount not-to-exceed \$185,325.00.

Sponsors: County Executive Ronayne/Department of Health and Human Services/Division of Community Initiatives/Office of Homeless Services and Councilmember Turner

Committee Assignment and Chair: Health, Human Services & Aging – Conwell

- 15) R2023-0220: A Resolution authorizing an amendment to Contract No. 3013 with Lutheran Metropolitan Ministry for operations and case management services for a 400-bed Men’s Emergency Shelter, located at 2100 Lakeside Avenue, Cleveland, and for facilitation and coordination of overflow shelter services for single adults and families at various locations for the period 1/1/2023 – 8/19/2023, to extend the time period to 12/31/2023 and for additional funds in the total amount not-to-exceed \$1,575,000.00; authorizing the County Executive to execute the amendment and all other documents consistent with this Resolution; and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne/Department of Health and Human Services/Division of Community Initiatives/Office of Homeless Services

Committee Assignment and Chair: Health, Human Services & Aging – Conwell

i) CONSIDERATION OF RESOLUTIONS FOR THIRD READING ADOPTION

- 1) R2023-0180: A Resolution confirming the County Executive’s appointment of Kelly Lynn Woodard, upon her taking the oath of office, as Director of Communications, and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne

Committee Assignment and Chair: Committee of the Whole – Jones

- 2) R2023-0195 A Resolution declaring that public convenience and welfare requires the resurfacing of West 140th Street from Puritas Avenue to Lakewood Heights Boulevard in the City of Cleveland at a total estimated project cost of \$5,872,981.00 and finding that special assessments will neither be levied nor collected to pay for any part of the County’s costs of said improvement; authorizing the County Executive to enter into an agreement of cooperation with City of Cleveland in connection with said project; and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne/Department of Public Works

Committee Assignment and Chair: Public Works, Procurement & Contracting – Tuma

- 3) R2023-0196: A Resolution declaring that public convenience and welfare requires the replacement of Schaaf Road Bridge No. 02.89 over West Creek in the City of Independence at a total estimated project cost of \$2,405,600.00 and finding that special assessments will neither be levied nor collected to pay for any part of the County’s costs of said improvement; authorizing the County Executive to enter into an agreement of cooperation with City of Independence in connection with said project; and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne/Department of Public Works

Committee Assignment and Chair: Public Works, Procurement & Contracting – Tuma

- 4) R2023-0199: A Resolution adopting the 2023 Economic Development Plan in accordance with Section 7.05 of the Cuyahoga County Charter and Section 801.01 of the Cuyahoga County Code; and declaring the necessity that this Resolution become immediately effective.

Sponsor: County Executive Ronayne/Department of Development

Committee Assignment and Chair: Economic Development, & Planning – Schron

- 5) R2023-0200: A Resolution authorizing an amendment to a Master Contract with various providers for the Comprehensive Case Management Employment Program- Employment, Education and Training Services for Young Adults for the period 4/1/2022 – 12/31/2023, to change the terms, effective 4/1/2023, and for additional funds in the total amount not-to-exceed \$829,059.00; authorizing the County Executive to amend Contracts Nos. 2389 and 2390 and all other documents consistent with this Resolution; and declaring the necessity that this Resolution become immediately effective:

- a) Contract No. 2389 with Verge, Inc. in the amount not-to-exceed \$-0-.
- b) Contract No. 2390 with Youth Opportunities Unlimited in the amount not-to-exceed \$829,059.00.

Sponsor: County Executive Ronayne/Department of Health and Human Services/Cuyahoga County Job and Family Services

Committee Assignment and Chair: Education, Environment & Sustainability – Simon

j) CONSIDERATION OF AN ORDINANCE FOR FIRST READING AND REFERRAL TO COMMITTEE

- 1) O2023-0014: An Ordinance providing for the adoption of a new Section 3.04 of the Cuyahoga County Employee Handbook; and declaring the necessity that this Ordinance become immediately effective.

Sponsor: County Executive Ronayne/Department of Human Resources

k) COMMITTEE REPORTS AND CONSIDERATION OF ORDINANCES FOR SECOND READING ADOPTION UNDER SUSPENSION OF RULES

- 1) O2023-0012: An Ordinance amending and codifying Board of County Commissioners Resolution No. 2007-073101 dated July 26, 2007, and enacting new Chapter 727, Section 727.01

of the Cuyahoga County Code to change the period of time during which the County sales tax shall be levied at the aggregate rate of one and one-fourth percent; and declaring the necessity that this Ordinance become immediately effective.

[Pending referral from committee]

Sponsors: County Executive Ronayne/Fiscal Office/Office of Budget and Management and Councilmember Miller

Committee Assignment and Chair: Committee of the Whole – Jones

- 2) O2023-0013: An Ordinance amending and codifying Board of County Commissioners Resolution No. 2007-073102 dated July 26, 2007 and enacting new Chapter 727, Section 727.02 of the Cuyahoga County Code to change the period of time during which the County use tax shall be levied at the aggregate rate of one and one-fourth percent; and declaring the necessity that this Ordinance become immediately effective.

[Pending referral from committee]

Sponsors: County Executive Ronayne/Fiscal Office/Office of Budget and Management and Councilmember Miller

Committee Assignment and Chair: Committee of the Whole – Jones

11. MISCELLANEOUS COMMITTEE REPORTS

12. MISCELLANEOUS BUSINESS

13. ADJOURNMENT

NEXT MEETING

REGULAR MEETING:

TUESDAY, SEPTEMBER 12, 2023
5:00 PM / COUNCIL CHAMBERS

**Complimentary parking for the public is available in the attached garage at 900 Prospect. A skywalk extends from the garage to provide additional entry to the Council Chambers from the 5th floor parking level of the garage. Please see the Clerk to obtain a complimentary parking pass.*

***Council Chambers is equipped with a hearing assistance system. If needed, please see the Clerk to obtain a receiver.*

As Introduced

135th General Assembly

Regular Session

2023-2024

H. B. No. 77

Representative Willis

Cosponsors: Representatives Seitz, Brennan, Holmes, Young, T.



A BILL

To amend section 4561.15 and to enact sections 1
4561.50, 4561.51, 4561.52, and 4561.53 of the 2
Revised Code to establish requirements and 3
prohibitions governing the operation of unmanned 4
aerial vehicles in Ohio. 5

BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF OHIO:

Section 1. That section 4561.15 be amended and sections 6
4561.50, 4561.51, 4561.52, and 4561.53 of the Revised Code be 7
enacted to read as follows: 8

Sec. 4561.15. (A) No person shall commit any of the 9
following acts: 10

(1) Carry passengers in an aircraft unless the person 11
piloting the aircraft is a holder of a valid airperson's 12
certificate of competency issued by the United States that 13
authorizes the holder to carry passengers and the person is 14
carrying any passenger in accordance with the applicable 15
certificate requirements; this division of this section is 16
inapplicable to the operation of military aircraft of the United 17
States, aircraft of a state, territory, or possession of the 18

United States, or aircraft licensed by a foreign country with 19
which the United States has a reciprocal agreement covering the 20
operation of such aircraft; 21

(2) Operate an aircraft or an unmanned aerial vehicle, as 22
defined in section 4561.50 of the Revised Code, on the land or 23
water or in the air space over this state in a careless or 24
reckless manner that endangers any person or property, or with 25
willful or wanton disregard for the rights or safety of others; 26

(3) Operate an aircraft on the land or water or in the air 27
space over this state while under the influence of intoxicating 28
liquor, controlled substances, or other habit-forming drugs; 29

(4) Tamper with, alter, destroy, remove, carry away, or 30
cause to be carried away any object used for the marking of 31
airports, landing fields, or other aeronautical facilities in 32
this state, or in any way change the position or location of 33
such markings, except by the direction of the proper authorities 34
charged with the maintenance and operation of such facilities, 35
or illegally possess any object used for such markings. 36

(B) Jurisdiction over any proceedings charging a violation 37
of this section is limited to courts of record. 38

(C) Whoever violates this section shall be fined not more 39
than five hundred dollars, imprisoned not more than six months, 40
or both. 41

Sec. 4561.50. As used in sections 4561.50 to 4561.53 of 42
the Revised Code: 43

(A) "Critical facility" means any of the following: 44

(1) A critical infrastructure facility as defined in 45
section 2911.21 of the Revised Code; 46

<u>(2) A commercial distribution center;</u>	47
<u>(3) A federal, state, county, or municipal court;</u>	48
<u>(4) A public safety or emergency operations facility;</u>	49
<u>(5) A federal, state, county, or municipal jail or prison or any other facility in which persons are incarcerated;</u>	50 51
<u>(6) A federal or state military installation or facility;</u>	52
<u>(7) A hospital that receives air ambulance services.</u>	53
<u>(B) "Unmanned aerial vehicle" means a powered, aerial vehicle to which all of the following apply:</u>	54 55
<u>(1) The vehicle does not carry a human operator and is operated without the possibility of direct human intervention from within or on the vehicle;</u>	56 57 58
<u>(2) The vehicle uses aerodynamic forces to provide lift;</u>	59
<u>(3) The vehicle can fly autonomously or be piloted remotely;</u>	60 61
<u>(4) The vehicle is either expendable or recoverable.</u>	62
<u>"Unmanned aerial vehicle" is commonly referred to as a drone and does not include a satellite.</u>	63 64
<u>(C) "Unmanned aerial vehicle system" means an unmanned aerial vehicle and associated elements, including communication links and components that control the unmanned aerial vehicle and that are required for the remote pilot in command to operate the vehicle in the air space over this state.</u>	65 66 67 68 69
<u>Sec. 4561.51. (A)(1) Except as provided in division (A)(2) of this section, no person shall operate an unmanned aerial vehicle in the air space over this state if the operation is</u>	70 71 72

prohibited by either federal law or federal regulations, 73
including any federal aviation administration regulations. 74

(2) Division (A)(1) of this section does not apply to a 75
person authorized by the federal aviation administration to 76
operate an unmanned aerial vehicle in a manner that otherwise 77
violates the federal law or regulations, provided that person's 78
operation of the unmanned aerial vehicle complies with the terms 79
of the administration's authorization. 80

(B) No person shall operate an unmanned aerial vehicle in 81
a manner that interferes with operations or activities conducted 82
by law enforcement personnel, fire department personnel, or 83
emergency medical services personnel while such personnel is on 84
duty. 85

(C) No person shall operate an unmanned aerial vehicle or 86
an unmanned aerial vehicle system to intentionally photograph, 87
record, or loiter over or near a critical facility in 88
furtherance of any criminal offense. 89

(D)(1) Whoever violates division (A) or (B) of this 90
section is guilty of a first degree misdemeanor. 91

(2) Whoever violates division (C) of this section is 92
guilty of a fourth degree felony on the first offense and a 93
third degree felony on subsequent offenses. 94

(3) The offenses established under this section are strict 95
liability offenses and section 2901.20 of the Revised Code does 96
not apply. The designation of these offenses as strict liability 97
offenses shall not be construed to imply that any other offense, 98
for which there is no specified degree of culpability, is not a 99
strict liability offense. 100

Sec. 4561.52. Subject to sections 4561.50 to 4561.53 of 101

the Revised Code, a municipal corporation, township, or county 102
may adopt ordinances, resolutions, or regulations, as 103
applicable, regarding both of the following: 104

(A) The use and operation of an unmanned aerial vehicle 105
owned and operated by the municipal corporation, township, or 106
county; 107

(B) The use and operation of an unmanned aerial vehicle 108
that is operated exclusively for hobby or recreational purposes 109
in or above a park or on other public property owned by the 110
municipal corporation, township, or county. 111

Sec. 4561.53. (A) The department of transportation's 112
office of aviation shall provide information and resources on 113
the office's web site regarding the laws, regulations, and 114
proper use of an unmanned aerial vehicle and unmanned aerial 115
vehicle system. The information shall pertain to public, 116
commercial, and recreational use of an unmanned aerial vehicle. 117

(B) The office shall provide picture examples of a 118
critical facility on the office's web site. The pictures and any 119
related information provided are designed to provide unmanned 120
aerial vehicle operators guidelines on what is considered a 121
critical facility. Any picture or written description shall not 122
identify the owner, operator, or location of the critical 123
facility. 124

Section 2. That existing section 4561.15 of the Revised 125
Code is hereby repealed. 126