



MONROE CITY COUNCIL

Agenda Bill No. 20-069

SUBJECT:	<i>Small Unmanned Aerial Systems (sUAS) Presentation</i>
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DATE:	DEPT:	CONTACT:	PRESENTER:	ITEM:
05/12/2020	Police	Jeffrey D. Jolley	Jeffrey D. Jolley	New Business #3

Discussion: 05/12/2020
Attachments: 1. PowerPoint presentation

REQUESTED ACTION: Review the proposed uses of the Unmanned Aerial Systems (sUAS). Provide direction to Mayor and City Staff prior to implementing the city's sUAS program.

POLICY CONSIDERATION:

On March 24, 2020, Governor Jay Inslee issued Proclamation 20-28, relating to the Open Public Meetings Act and Public Records Act; the proclamation restricted the ability of public agencies to take action to only those actions that are necessary and routine, or to respond to the COVID-19 outbreak and public health emergency. The proclamation was effective through April 23, 2020, subsequently extended through May 4, 2020 and currently until May 31, 2020, subject to further extension.

This agency has adopted the use of sUAS to provide aerial visual perspective in responding to situations and exigent circumstances for the following objectives: To assist first responders; in understanding the nature, scale and scope on an incident and for planning and coordinating an effective response. This is especially true in regard to the recent COVID-19 events where responding police may use this technology to safely assess and respond proactively to Homelessness encampments in Monroe.

In support of the City of Monroe's strategic plan of leveraging technology for a "Safe and Secure" and "Smarter" government. Supporting the Homelessness Policy Advisory Committee's (HPAC) recommendation of the "Use of technology to increase public safety and protect infrastructure" and the Monroe Police Department's strategic plan to "Combat Crime to Enhance Community Safety and Quality of Life".

DESCRIPTION/BACKGROUND:

The 2020 approved budget included the investment of \$18,455 to purchase a sUAS shared between public works, police and parks. The sUAS will serve as a tool to enhance work done in the City's Public Works department and tourism and event promotion in the Parks and Recreation Department and to support the Police Department activities to enhance officer safety, improve community security, and to better identify publically owned areas where services should be deployed.

Unmanned Aerial Systems (Drone) program policy is intended to provide personnel who are assigned responsibilities associated with the deployment and use of small UAV with instructions on when and how this technology and the information it provides may be used for law enforcement, public safety and city related purposes in accordance with current laws and regulations.

The City of Monroe small sUAS policy is formed from best practice use across the United States and the police Lexipol Manual. In doing so, the policy incorporates the recommendations of

organizations who want to ensure privacy and 4th amendment protections. Organizations such as; the American Civil Liberties Union (ACLU), WA State Office of Privacy and Data Protection, along with the Department of Justice (DOJ), COPS Office and the Internal Association of Chiefs of Police (IACP).

The city will comply with all applicable authorizations, permits, or certificates required by the Federal Aviation Administration (FAA) prior to deploying or operating the sUAS.

All flights will be documented and all data, images, video and metadata captured, recorded, or otherwise produced by the equipment which is the sole property of the city and shall be securely stored in accordance with agency policy and state records retention laws. All uses of sUAS platforms (flights) will be published monthly on the City web site.

City personnel who are assigned sUAS must complete an agency-approved training program to ensure proper use and operations.



Prohibited Uses

- ▶ To conduct random surveillance activities.
- ▶ To target a person based solely on individual characteristics, such as, but not limited to race, ethnicity, national origin, religion, disability, gender, or sexual orientation.
- ▶ To harass, intimidate or discriminate against any individual or group.
- ▶ To conduct personal business of any type.

FISCAL IMPACTS:

\$18,455 cost split five ways (Parks/Police and three Utilities) is included in the 2020 approved budget. The drone package has been purchased for \$8,924.00, there is still a pending software purchase of \$2,376.00. The total cost will be less than budgeted.

TIME CONSTRAINTS:

In light of the current COVID-19 crisis, this will be an invaluable tool for officers responding to critical incidents and in the use of enforcing illegal encampments associated with homelessness. It is the desire of the department to start the program soon as possible.

ALTERNATIVES:

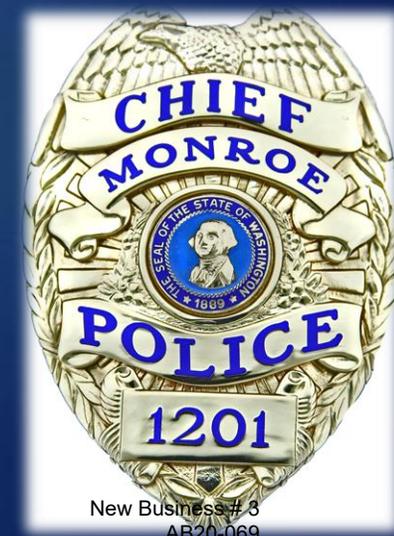
Provide input on policy considerations prior to implementing the city's sUAS program.

City of Monroe Drone Program

By Chief Jeffrey D. Jolley
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Drone Program Background

- ▶ Included in 2020 City of Monroe Adopted Budget – November 2019
- ▶ Funded with line items from four City Departments - \$18,455
- ▶ Everett Herald news article – November 2019
- ▶ Drone committee established – January 2020
- ▶ Committee reviewed:
 - ▶ Type of platform
 - ▶ Policy
 - ▶ Procedure
 - ▶ Acquisition

Drone Use Guidelines

▶ MPD Policy 605.2:

- ▶ *Unmanned aerial systems may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available or are less effective. Any use of a UAS will be in strict accordance with constitutional and privacy rights and Federal Aviation Administration (FAA) regulations.*

Deployment

- ▶ All uses of the City drone / UAS will be authorized by the City Chief Pilot or designee.
- ▶ Uses:
 - ▶ Situational Awareness
 - ▶ Search and Rescue
 - ▶ Tactical Deployment
 - ▶ Visual Perspective
 - ▶ Event Documentation
 - ▶ Training

Lakewood Police Drone Program

Lakewood Police Drone Program

The department began using drone technology at the end of 2017. That's when its Unmanned Aerial System program was established. Before capturing bird's eye view of Lakewood, policy regulations were drafted about how and when the devices will be used. The city's public safety advisory committee helped draft the document. The Federal Aviation Administration (FAA) vetted and reviewed the regulations before ultimately issuing a Certificate of Authorization.



Overview

While using drones the department will maintain its priorities on safety, transparency and privacy.

Each month the city will post the monthly Unmanned Aerial Vehicle reports here, which show how the device was used.



LPD UAS Monthly Usage Report

For: **March 2020**

Date	Time (From)	Time (To)	Location	Duration (Actual Flight Time) / Hrs	Radius from the control station	Max Altitude Flown	Purpose
03-26-20	1400	1530	PD Station	1.0	200'	300'	Maintenance & Training
03-27-20	0530	0630	S 21 st St / S Alaska St, Tacoma	0.5	500'	292'	SRT/Major Crimes Unit Search Warrant

Total Number of Flights: 2

Total Hours Flown: 1.5

Report by Officer A. Lee LK109 04/02/20



The Westport Police Department is partnering with Draganfly to test new drone technology in the “Flatten the Curve Pilot Program” to combat the spread of the Coronavirus.

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- ▶ **To conduct personal business of any type.**

NBC News Article

▶ <https://www.nbcnews.com/tech/security/homeless-people-are-risk-coronavirus-police-have-contentious-solution-drones-n1191866>

Everett Herald News Article

- ▶ <https://www.heraldnet.com/news/drones-give-state-local-agencies-a-helpful-eye-in-the-sky/>

Mavic 2 Enterprise Drone – Practical Uses



QUESTIONS