

MUNICIPALITY OF ANCHORAGE
ASSEMBLY INFORMATION MEMORANDUM

Municipal Clerk's Office

No. AIM 67-2019

Accepted

Date: **May 21, 2019**

Meeting Date: May 21, 2019

1 **From: Mayor**

2
3 **Subject: AMC 3.102.010B. Annual UAS report**

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6 The Administration submits this report pursuant to Anchorage Municipal
7 Code 3.102.010B.

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9 Among other things, AMC 3.102.010B. requires the mayor or a designee to annually
10 report by June 1, for each municipal department and agency that used an
11 Unmanned Aircraft System (UAS) in the preceding calendar year: (a) the number of
12 instances in which a UAS was used; (b) a general description of the type and
13 purpose of each use that sufficiently explains how the use was not prohibited, and
14 (c) any new policy, or change in department or agency policy, related to the use of
15 UAS.

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17 The Administration reports as follows:

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19 **Port of Alaska (POA)**

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21 The Port of Alaska contracted Upper One Studios during Spring 2018 to shoot a
22 drone video of the 2016 completed stabilization work at the Ship Creek Boat Launch
23 for comparison purposes to assist POA in determining if winter break-up damaged
24 the armor rock structure in any way.

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26 **Solid Waste Services (SWS)**

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28 SWS had five occasions in 2018 where they contracted for a drone operator to
29 survey the landfill:

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31 CRW Engineering flew the landfill site on three instances in 2018: October 5,
32 October 11, and October 14.

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 - CRW Engineering was tasked with surveying the landfill active-working face
35 using a UAV. This work was confined to the active cell within the landfill
36 property limits and was performed as a study to determine densities of waste
37 tonnages to volume of airspace consumed.

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39 FR Bell flew the landfill site on two instances in 2018: October 18 and October 26.
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- FR Bell & Associates performed UAV photographic mapping of the landfill as part of the department's annual aerial survey project. This project is confined to the landfill and is conducted to provide SWS with topographic survey and aerial imagery for future project planning and design purposes.

Anchorage Police Department (APD)

This summary includes flights between May 1st, 2018 and May 1st, 2019. Each entry contains the total flight time of the UAS over the course of a single day in the case of training, or time flown at a specific incident.

Date	Duration	Location	Purpose
05-08-2018	31 mins	Lake Otis / 48 th	Search for Stolen Vehicle suspects who fled on foot. No arrest. 18-18439
05-22-2018	44 mins	550 E 13 th	Search for Burglary suspect. No arrest. 18-20454
05-22-2018	54 mins	APD Burlwood	Training
06-12-2018	72 mins	APD Burlwood	Training
06-26-2018	10 mins	APD Burlwood	Training
07-24-2018	10 mins	APD Burlwood	Training
07-31-2018	12 mins	12215 Brookwood	SWAT Search warrant, situational awareness. Arrest made (not due to UAS). 18-30718
08-09-2018	23 mins	79 th / Lake Otis	Search Warrant service on a fraud case, mapped outdoor lot. 18-32000
08-09-2018	01 mins	Service High School	Maintenance flight
08-28-2018	71 mins	APD Burlwood	Training
09-06-2018	72 mins	1136 E. 66 th	SWAT Search warrant, situational awareness. Arrest made (not due to UAS). 18-13920
09-07-2018	93 mins	Storck Park	Maintenance and Testing
09-23-2018	25 mins	720 Cedar St.	Missing Person / Runaway, wooded area search. 18-38404
10-05-2018	30 mins	3240 Penland Pkwy.	Search for armed person in trailer park and surrounding area. No arrest. 18-40230
10-11-2018	29 mins	Anchorage Sports Park	Training
10-19-2018	04 mins	20 th and Clover Hollow	Training
10-23-2018	32 mins	66 th and Rosewood	SWAT Search warrant, situational awareness. Arrest made (not due to UAS). 18-41980
11-06-2018	11 mins	APD Burlwood	Training
11-18-2018	19 mins	4 th and Eagle St.	SWAT Search warrant, situational awareness. Arrest made (not due to UAS). 18-49413
11-30-2018	34 mins	Anchorage Area	Multiple flights assessing earthquake damage, Port of Anchorage and Muni buildings
12-01-2018	23 mins	Anchorage Area	Earthquake damage assessment at the Port of Anchorage
12-02-2018	44 mins	Anchorage	Detailed imaging of Briggs Bridge

		Area	
12-03-2018	19 mins	1630 E. 82 nd	SWAT Search warrant, situational awareness. Arrest made (not due to UAS). 18-48462
02-12-2091	95 mins	Birchwood Range	Training
02-26-2019	46 mins	APD Burlwood	Training
03-19-2019	09 mins	APD Burlwood	Training
04-07-2019	18 mins	5115 Strawberry	Scene mapping. Search warrant on arson case. 19-12243
04-18-2019	77 mins	5 th Avenue Mall	Training, indoor search techniques.

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Parks and Recreation

Parks and Recreation used drone services provided by TBC for Cheney Lake and Westchester Lagoon. Also, R&M did some work for Abbott-O-Rabbit little league (part of Ruth Arcand Park). The drone footage provided aerial imagery for laying out the winter maintained ice surfaces, prescribed areas for ice depth measurements, identifying the boundaries for safe skating, and use areas (speed skating oval, general ice skating, shinny hockey, and for Cheney Lake also noting the ice fishing area separate from the maintained skating area).

Municipal Light & Power (ML&P)

ML&P used a contractor, Alaska Aerial Media, in 2018 for Ortho-rectified Imagery Acquisitions for use of topographic survey, and engineering design purposes:

- 27th Avenue – Title 21 Project

ML&P follows FAA guidelines and regulations, but does not currently have a UAS policy. ML&P’s contractor Alaska Aerial Media, complies with FAA Part 107.

Prepared by: Office of the Municipal Manager
 Approved by: William D. Falsey, Municipal Manager
 Respectfully submitted: Ethan A. Berkowitz, Mayor