

# Drones At Home

## Public Safety Drones

By Dan Gettinger

April 2017

Drones are no longer a novelty item among law enforcement and public safety departments. The same small unmanned aircraft systems that have been popular among hobbyists and commercial users are now sought after by a growing number of agencies throughout the United States.

Our research suggests that at least 347 state and local police, sheriff, fire, and emergency units have acquired drones in the past several years. More acquisitions took place in 2016 than in the previous years combined, and the pace of acquisitions shows no signs of slowing down. In a survey of open source literature and public records, we have assembled the most comprehensive, publicly-available account of law enforcement and public safety departments that are reported to have acquired drones.

### Background

Between 2006 and 2014, a handful of public safety departments explored using drones. One of the first agencies to adopt the technology was the Los Angeles County Sheriff's Department. In 2006, the LASD [tested a fixed-wing drone](#) called the Octatron SkySeer. Departments in [Gaston County, North Carolina](#) and [Miami, Florida](#) conducted their own trials soon after. Most of the early public safety drones were developed by small companies and aimed at a specialized market. Drone acquisitions by public safety departments accelerated in 2014 with the introduction and popularization of affordable, easy-to-use consumer drones like the DJI Phantom.

Several organizations have sought to establish how public safety departments might acquire drones, and have developed best practices guidelines

### Key Takeaways

- At least 347 state and local police, sheriff, fire, and emergency units in the U.S. have acquired drones.
- Local law enforcement departments lead public safety drone acquisitions.
- Consumer drones are more common among public safety units than specialized professional drones.

for drone use in this sector. In August 2012, the International Association of Chiefs of Police [released a set of recommended guidelines](#) for police departments seeking to acquire and use drones. In March 2013, the U.S. Senate Judiciary Committee [held a hearing on the use of](#) drones by law enforcement and privacy considerations. In November 2016, the Police Foundation [released a publication that](#) examined case studies and provided guidance to law enforcement departments. In December, the International Fire Chiefs Association published the "[UAS Toolkit](#)," a guide to policies and procedures for first responder agencies seeking to acquire drones.

Drones flown by public safety departments are considered by the Federal Aviation Administration to be "public aircraft." Prior to the implementation

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of the Part 107 regulations for unmanned aircraft systems, public safety departments had to apply for a Certificate of Authorization (COA) which required, among other things, that the drone operator be a licensed pilot. Following the implementation of Part 107 in August 2016, first responders are able to operate drones either under Part 107 or by obtaining a COA. Like private drone operators, public agencies are required to register their drone and comply with FAA restrictions on certain operations, such as nighttime or beyond line-of-sight operations.

## Previous Studies on Police Drones

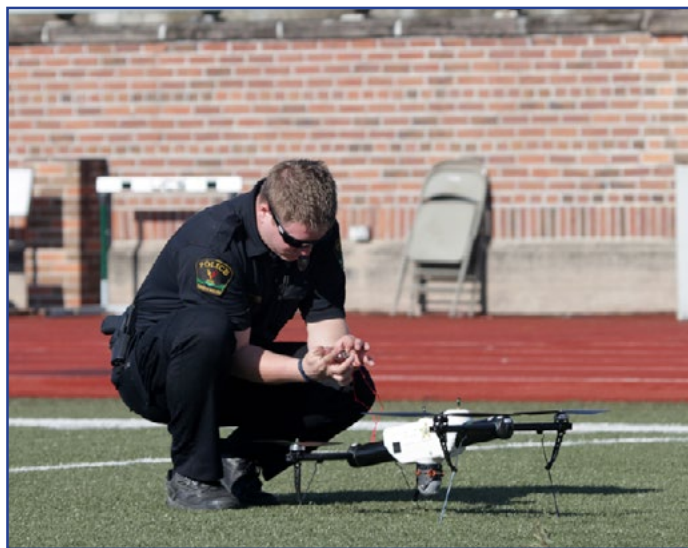
In January 2012, the Electronic Frontier Foundation [filed a Freedom of Information Act request](#) with the Federal Aviation Administration for information regarding drone operations in the United States. In April 2012, the FAA released a list of organizations that had received permission to operate drones, including 13 state and local first responder departments. In February 2013, the [FAA released an expanded list](#), which included 21 public safety agencies. In November 2013, the EFF, Muckrock, and Motherboard partnered to launch “[The Drone Census](#),” a two-year project that sought to use Freedom of Information Act requests to understand the extent to which law enforcement agencies were acquiring and using drones.

## Methodology

Our dataset is comprised of U.S. state and local police, sheriff, fire, and emergency response units that are reported to own drones. In addition to local departments, the dataset includes drones owned by city and county governments when it has been reported that these drones were purchased for use by first responder departments. The dataset also includes statewide offices such as highway patrol and fire marshals offices.

We did not include departments that are planning on acquiring a drone in the future, nor did we include departments that have borrowed drones

from private users or other agencies. For example, we did not include a number of reports regarding a public agency using a drone when it was not clear whether that drone belonged to the department or to a member or local volunteer. The dataset does not cover drones owned by federal agencies, such as the Department of Homeland Security or by civilian volunteer first responder groups.



*Photo courtesy of Brenda Risky, John D. Odegard School of Aerospace, University of North Dakota.*

Approximately two-thirds of this dataset is sourced from media reports, while around one-third is based on official records, including the Federal Aviation Administration’s aircraft registry, city and county government meeting minutes, FAA 333 exemptions, and Part 107 waivers. The date for the FAA aircraft registry-sourced departments reflects the date that the FAA issued a registration certificate for the drone, which is not necessarily the same year that the drone was acquired by the department. For departments that have owned multiple drones, the dataset reflects the date, make, and model of their most recent acquisition.

Since it is based on publicly accessible records only, this dataset should not be considered a complete account of all the departments that are currently using drones, nor of the departments that have received permission from the FAA to operate drones.

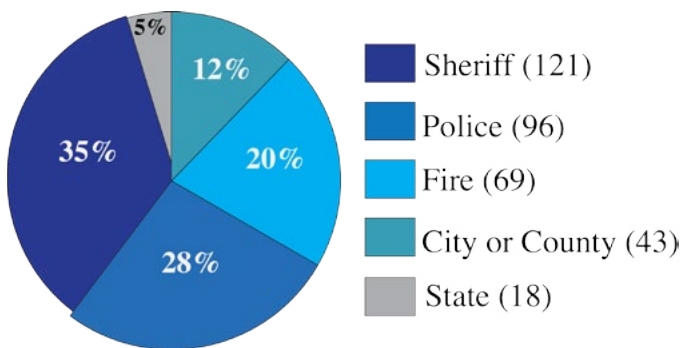
## Findings

We found 347 U.S. police, sheriff, fire, and emergency response units that have acquired drones between 2009 and early 2017.

## Department Type

Of the 347 first responder units in our dataset, 121 are sheriff's offices, 96 are police departments, 69 are fire departments, 43 are other city or county government agencies, and 18 are statewide first responder departments. Some state and local governments in the list purchased drones to be used by multiple first responder agencies.

### Acquisitions By Department Type



## Location

We found local first responder departments that own drones in 323 localities across 43 states. Of these, six localities had more than one first responder department with drones. The 18 statewide agencies that own drones are spread across 17 states. The states with the most publicly reported public safety drones are Texas and California (28 and 23 departments, respectively). The largest municipalities and counties with drones are New York City, Los Angeles City, and Los Angeles County. We found that a little less than half of all known departments—154 out of 323—were in localities with populations of fewer than 50,000 people.

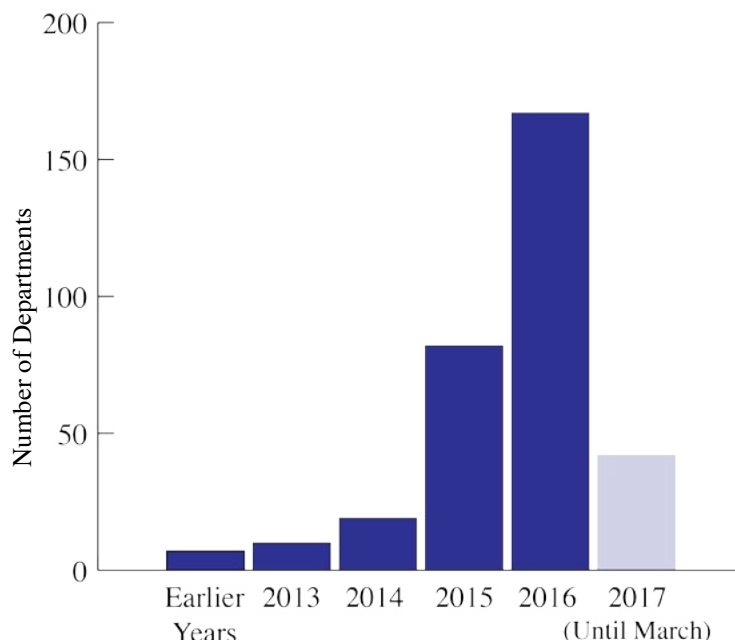
## Department Acquisitions By State

TX	28	SC	10	MA	6	KS	4
CA	23	IL	9	MI	6	NJ	4
AL	20	MN	9	OK	6	WA	4
WI	18	TN	9	OR	6	SD	3
OH	13	VA	9	UT	6	ME	2
PA	13	IA	8	AZ	5	MD	2
GA	12	NC	8	CO	5	NV	2
LA	12	CT	7	DE	5	ND	2
NY	12	KY	7	ID	5	VT	1
FL	11	MO	7	MS	5	WY	1
IN	11	AR	6	NE	5		

## Date of Acquisition

We determined the acquisition year for 327 out of 347 total departments. In 2016, 167 departments are believed to have acquired drones. This was more than all previous years combined and double the number of acquisitions that occurred in 2015, when 82 departments acquired drones. The earliest agency to have acquired a drone in our dataset is Mesa County Sheriff's Office in Colorado, which acquired a Draganflyer X6 in 2009. As of March, 41 departments are believed to have purchased drones in 2017.

### Department Acquisitions By Year



## Drones

We determined the drone make and model for 315 out of the 347 known departments. We found 35 different types of drones made by 23 drone manufacturers. Drones made by DJI, the Chinese manufacturer, were the most popular among agencies. Of the 315 departments for which we have drone type data, 252 have at least one DJI drone. The second and third most common drone manufacturers after DJI are Yuneec, with drones operated by 15 known departments, and Draganfly Innovations with 13 departments.

The most popular drone models among public safety departments are the DJI Phantom and DJI Inspire, with 159 and 95 departments owning at least one of these drones. We found that 27 departments owned two or more different types of drones.

### Top Models By Acquisition



DJI Phantom  
**159**



DJI Inspire  
**95**



DJI Matrice  
**11**



Draganfly  
Draganflyer  
**9**



Yuneec Q500  
**9**

### Acquisitions By Manufacturer



### Example Use Cases

- The Noble County Sheriff in Indiana used a drone [to locate a suspect during](#) a pursuit.
- The Toledo Police Department in Ohio used its drone [to assist firefighters at](#) a warehouse fire.
- The Cecil County Sheriff in Maryland used a drone [to find \\$400,000 worth](#) of stolen construction equipment.
- The Bossier Parish Sheriff in Louisiana used a drone [to locate three teenage](#) runaways.
- The Rialto Fire Department in California used a drone [to identify illegal fireworks](#) displays during the Fourth of July holiday.
- The New York Fire Department used a drone [to obtain aerial images](#) of a fire in a six-story building.
- Police in Alton, Illinois used an Illinois State Police drone [to reconstruct the scene](#) of a car accident involving a pedestrian.
- The Town of Linn Police Department in Wisconsin used a drone equipped with a thermal imaging sensor [to locate the body of](#) a man.



## Analysis

The first responder drone acquisitions data underscores the extent to which consumer drones have outpaced high-end, specialized drones that are marketed to public safety departments. This finding contrasts with recent predictions about the civil U.S. drone market. In the March 2016 report “[Drones: Flying into the Mainstream](#),” analysts at Goldman Sachs anticipated that high-end commercial drone makers could find customers in the police and first responder market. While this may have been true in the early years of law enforcement drone acquisitions, our research suggests that most departments are choosing recognizable brands like DJI that have typically marketed their drones to consumers and hobbyists.

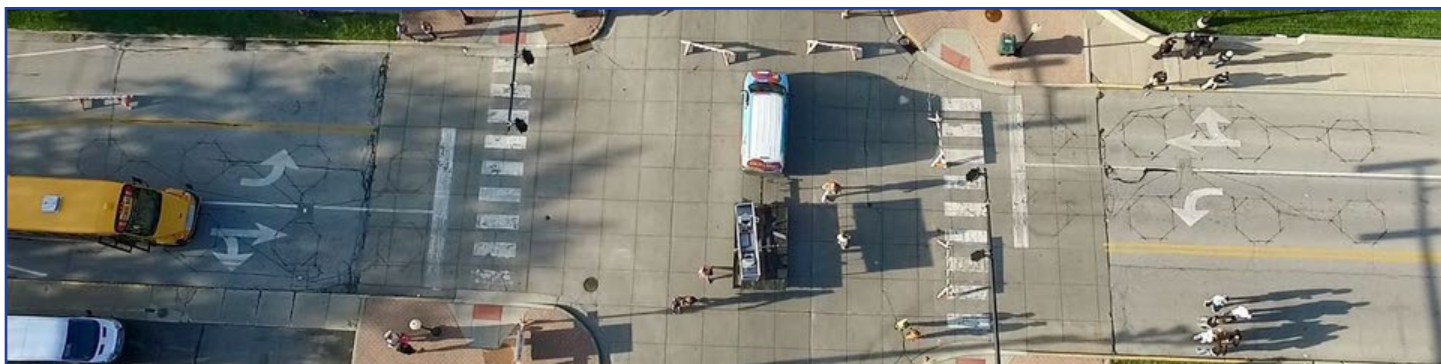
While we were unable to find reliable information for the majority of the departments on the means of acquisition, we did observe that 82 public safety departments reportedly acquired a drone through either a donation, grant, or special fund such as civil forfeiture. Some of the donations have been from organizations, such as [Alabama’s Alzheimer’s Outreach Group](#), who believe that drones could be useful in aiding their causes. In other cases, such as that of the Wrightsville Beach Fire and New Hanover County Emergency Management departments, the drones [were provided by manufacturers](#) like DJI.

As with other video technologies such as body-worn cameras, some law enforcement drone acquisitions have been controversial. After purchasing a pair of Draganflyer X6 drones in

2012, the Seattle Police Department [gave up pursuing a drone](#) program two years later due to intense public pressure. Meanwhile, in Los Angeles, an activist group called the Stop LAPD Spying Coalition [has stymied efforts by the](#) Los Angeles Police Department to use its drones. And in Connecticut, the American Civil Liberties Union [objected to the acquisition of drones](#) by the Plainfield Police Department, noting that drones provide law enforcement with unique capabilities that are not possible with manned platforms like helicopters. In these and other cases, objections to law enforcement drones have focused on the possibility that drones may be used to conduct surveillance and on concerns that new technologies may be abused.

Another concern is that the drones may one day be armed with lethal or less than lethal weapons. This issue was on display in 2015 when it was widely reported that the North Dakota Legislative Assembly had [legalized armed police drones](#). We did not observe any public safety department that has equipped a drone with anything other than cameras. That said, as unmanned systems capabilities and technology advances, it will be important to track how other payloads such as emerging imaging sensors affect public safety missions.

According [to a 2017 Rasmussen poll](#), Americans are largely divided on police drones, with 36 percent in favor and 39 percent against. In some states and municipalities, law enforcement departments are subject to restrictions on drone acquisitions and operations. According [to research compiled by the](#) National Conference of State



An aerial image from a Valparaiso Police Department drone.

Legislatures, 18 states require law enforcement to obtain a search warrant before using a drone for surveillance or a search. We have found drone acquisitions by law enforcement departments in 16 of these 18 states. Some states have other standards for public agency drone use, such as reporting requirements and data retention timelines.



Photo courtesy of the Joshua Fire Department.

Future studies of this issue would benefit from a closer look at how departments are using drones. As more and more departments acquire drones for a variety of public safety missions, the development and public release of departmental policies for the use of drones will be a critical first step in understanding how this technology affects local communities. Some departments, like California's [Chula Vista Police](#) and the Chino Police, began engaging and informing the community about public safety drones months ahead of when they intended to acquire one. The publication of records such as flight logs could help provide the public with concrete examples of how and when drones will be used by first responders.

Another question raised by this research is the status of the federal approval process for public agencies seeking to acquire drones. It is not clear from our research how many of the departments that have acquired drones have received approval from the FAA to fly them. Moreover, for those departments that have already received permission, some [may require additional approvals for](#) operations that are currently banned, such as flying

at night. According to the FAA's online database, it has [granted six public safety departments](#) special waivers to operate at night as of late January 2017.

In addition to reported drone acquisitions, we have also [previously documented the](#) acquisition of unmanned ground vehicles by close to 300 public safety departments across the country. As unmanned systems in the air and on the ground continue to rise in popularity among first responders, it will be important to track how and when these emerging technologies are used, the policies governing their use, and the implications of further technological advances in unmanned systems at large for public safety agencies and their constituents.

## Public Safety Departments with Drones

The full dataset is available on our website at <http://dronecenter.bard.edu/drones-at-home/>.

Name	State	Make	Model
Abilene Police Department	Texas	DJI	Phantom
Adams County Emergency Management Agency	Illinois	DJI	Phantom
Adams County Sheriff's Office	Mississippi	DJI	Phantom
Adams County Sheriff's Office	Washington	DJI	Inspire
Adams County Sheriff's Office	Wisconsin	DJI	Inspire
Alameda County Sheriff's Office	California	Aircover, DJI	QuadRotor QR425, Phantom
Albemarle County Sheriff's Office	Virginia		
Allegheny County	Pennsylvania	DJI	Inspire
Anaheim Fire and Rescue	California	DJI	Phantom, Inspire
Anderson County Sheriff's Office	South Carolina	DJI	Phantom
Anderson Police Department	California	Yuneec	Q500
Anoka County Sheriff	Minnesota	DJI, Physical Sciences Inc	Inspire, InstantEye
Appleton Fire Department	Wisconsin	DJI	Phantom

# Drones At Home

Name	State	Make	Model
Arlington Police Department	Texas	Leptron Industrial Helicopters	RDASS
Assumption Parish Sheriff's Office	Louisiana	DJI	Phantom
Attleboro Police Department	Massachusetts	Yuneec	Q500
Auglaize County Sheriff's Office	Ohio	DJI	Phantom
Austell Police Department	Georgia	DJI	Phantom
Austin Fire Department	Texas	Leptron Industrial Helicopters, DJI	RDASS, Inspire
Autauga County Emergency Management Agency	Alabama	DJI	Phantom
Bakersfield Fire Department	California	DJI	Phantom
Barnstable Police Department	Massachusetts	DJI	Inspire
Bedford Fire Department	Virginia	DJI	Phantom
Bellevue Fire Department	Nebraska	Draganfly Innovations	Draganflyer X4
Benton County Sheriff's Office	Oregon	DJI	Phantom
Bergen County Office of Emergency Management	New Jersey	DJI, 3DR	Phantom, Inspire, Matrice 100, Solo
Berkeley County Rescue	South Carolina	DJI	Phantom
Berrien County Sheriff's Office	Michigan	DJI	Phantom
Bertie County Sheriff's Office	North Carolina	DJI	Phantom
Bethlehem Police Department	Pennsylvania	DJI	Phantom
Beverly Emergency Management Department	Massachusetts	DJI	Phantom
Big Rapids Township Fire Department	Michigan	Physical Sciences Inc	InstantEye
Birmingham	Alabama	DJI	Inspire
Blaine County Search and Rescue	Idaho	DJI	Inspire
Blount County Rescue Squad	Tennessee	DJI	Phantom, Inspire
Boone County Sheriff's Department	Iowa	DJI	Spreading Wings S900
Bossier Fire Department	Louisiana	DJI, Lockheed Martin	Matrice 100, Phantom, Indago
Bossier Parish Sheriff's Office	Louisiana		
Brazoria County	Texas		
Brewster Ambulance Service	Massachusetts	DJI	Inspire, Phantom
Bristol	Tennessee	DJI	Phantom

Name	State	Make	Model
Brookings Fire Department	South Dakota		
Brown County Emergency Response	South Dakota	DJI	Inspire
Brownsville Fire Department	Texas	DJI	Mavic
Brunswick Police Department	Georgia	Parrot	AR.Drone
Buffalo County Sheriff's Office	Nebraska	Parrot, DJI	AR.Drone 2.0, Phantom
Burleigh County Sheriff	North Dakota		
Butler County Emergency Management	Iowa	DJI	Phantom
Butler County Sheriff's Office	Ohio	Yuneec	Typhoon Q500
Calhoun County Emergency Management Agency	Mississippi	DJI	Phantom
Camden County	New Jersey	DJI	Inspire
Camden County Sheriff's Department	Missouri	DJI	Phantom
Canadian County Department of Emergency Management	Oklahoma	American Drones	Eagle
Canyon County Sheriff's Department	Idaho	Draganfly Innovations	Draganflyer X6
Carova Beach Volunteer Fire & Rescue	North Carolina	DJI	Phantom
Cecil County Sheriff's Office	Maryland	UAV Solutions, Yuneec	Phoenix Ace V2, Typhoon H
Chambersburg Fire Department	Pennsylvania	3DR	Solo
Cherokee Sheriff's Office	Georgia	DJI	Inspire
Cheyenne Fire Department	Wyoming	Draganfly Innovations	Draganflyer X6
Chippewa County Sheriff's Department	Wisconsin	DJI	Phantom
Choctaw County Sheriff's Department	Oklahoma	Autel Robotics	X-Star
City of Fontana Police Department	California	DJI, NMotion	Phantom, NMotion Drone
Clay County Sheriff's Office	Minnesota	DJI	Phantom
Clayton County Fire and Emergency Service	Georgia	DJI	Phantom
Clear Lake Fire Department	Iowa	DJI	Phantom
Cobb County Police Department	Georgia	DJI	Phantom
Coffee County Sheriff's Office	Alabama	DJI	Inspire
Collier County Sheriff's Office	Florida		
Columbia County Sheriff's Office	Georgia	DJI	Phantom

# Drones At Home

## Public Safety Drones

Name	State	Make	Model
Columbus Fire Department	Wisconsin	Inspire	DJI
Corpus Christi Fire Department	Texas	Leptron Industrial Helicopters	RDASS
Corpus Christi Police Department	Texas	DJI	Phantom
Council Bluffs Fire Department	Iowa	DJI	Inspire
Cowlitz County Sheriff's Office	Washington	DJI	Inspire
Crestview Police Department	Florida	DJI	Inspire
Crossville Police Department	Tennessee	DJI	Inspire
Cullman Police Department	Alabama	DJI	Phantom
Cuyahoga Community College Police Department	Ohio	DJI	Phantom
Dale County Sheriff's Office	Alabama		
Dallas County Sheriff's Department	Alabama	DJI	Inspire
Dane County Emergency Management	Wisconsin	DJI	Phantom
Darke County Sheriff's Office	Ohio	DJI	Inspire
Dayton Fire Department	Ohio	Yuneec	Typhoon H
Delaware County Sheriff's Office	Oklahoma	DJI	Phantom
Delaware Department of Transportation	Delaware	DJI	Inspire
Delaware State Fire School	Delaware	DJI	Inspire
Dodge County Sheriff's Office	Wisconsin		
Douglas County Sheriff's Office	Minnesota	MAXSUR	Seeker
Dover Police Department	Delaware	DJI	Phantom
Dover Township Fire Department	Pennsylvania	DJI	Phantom
Duluth Police Department	Georgia	DJI	Inspire
Dunwoody Police Department	Georgia	DJI	Inspire
East Baton Rouge Parish Sheriff's Office	Louisiana	DJI	Inspire, Phantom
Edmonson County Sheriff's Office	Kentucky		
Effingham County Emergency Management Agency	Illinois	DJI	Phantom
El Dorado County District Attorneys Office	California	DJI	Phantom
Elmira Police Department	New York	DJI	Phantom

Name	State	Make	Model
Erie County Sheriff's Office	Ohio		
Estero Fire Rescue	Florida	DJI	Phantom
Etowah County Sheriff's Department	Alabama	DJI	Phantom
Fairfax Fire and Rescue Department	Virginia	DJI	Phantom
Fairfield County Hazardous Incident Response Team	Connecticut	DJI	Phantom
Florence County Emergency Response Team	South Carolina		
Flowood Police Department	Mississippi	DJI	Phantom
Footville Fire Department	Wisconsin	Yuneec	Q500
Forest County Sheriff's Office	Wisconsin		
Fort Worth Fire Department	Texas	Physical Sciences Inc	InstantEye
Freeborn County Sheriff's Office	Minnesota		
Fremont Police Department	Ohio		
Gadsden Police Department	Alabama	AeroVironment	Wasp III
Galena Fire Department	Kansas	Parrot	Bebop
Georgia Department of Public Safety	Georgia	DJI	Inspire, Phantom
Golden Police Department	Colorado	Leptron Industrial Helicopters	RDASS
Goliad County Sheriff's Office	Texas	DJI	Phantom
Grand Isle County Sheriff's Department	Vermont	DJI	Phantom
Grand Traverse County Sheriff's Office	Michigan	DJI	Phantom
Granite City Police Department	Illinois		
Grant County Sheriff's Office	Washington	DJI	Phantom
Grant Parish Sheriff's Office	Louisiana	DJI	Phantom
Greeley Police Department	Colorado	DJI	Phantom
Greenfield Police Department	Indiana	DJI	Phantom
Greensburg Fire Department	Pennsylvania	DJI	Phantom
Greenville County Sheriff's Office	South Carolina	DJI	Inspire
Guernsey County Sheriff's Office	Ohio	Leptron Industrial Helicopters	RDASS
Gulfport Fire Department	Mississippi		



# Drones At Home

## Public Safety Drones

Name	State	Make	Model
Gwinnett County Police Department	Georgia	DJI	Inspire, Phantom
Hamilton County Emergency Services	Tennessee	DJI	Phantom
Hamilton County Sheriff	Ohio	DJI	Phantom
Hamilton County Sheriff's Office	Tennessee	DJI	Inspire, Phantom
Harrisonburg Police Department	Virginia	Dronium	Protocol
Harvey County Emergency Response Team	Kansas	Physical Sciences Inc	InstantEye
Hazard Police Department	Kentucky	DJI	Phantom
Heath Department of Public Safety	Texas	DJI	Phantom
Henderson Fire Department	Nevada	DJI	Phantom
Hendersonville Police Department	North Carolina	DJI	Phantom
Hennepin County Sheriff's Office	Minnesota	DJI	Inspire
Henrico County	Virginia	DJI	Phantom
Henry County Office of Emergency Management	Indiana	DJI	Phantom
Hoover Police Department	Alabama	DJI	Phantom
Horry County Fire Rescue	South Carolina	DJI	Phantom
Horry County Police Department	South Carolina	DJI	Phantom
Houston County Sheriff's Office	Alabama	DJI	Inspire, Phantom
Idaho State Police	Idaho	DJI	Phantom
Illinois State Police	Illinois	DJI, Draganfly Innovations	Inspire, Draganflyer X4
Independence Fire Department	Ohio	DJI	Phantom
Indiana Department of Natural Resources	Indiana	DJI	Inspire
Indianapolis Metropolitan Police Department	Indiana	DJI	Phantom
Jackson County Fire District #3	Oregon	DJI	Phantom
Jackson County Sheriff's Office	Arkansas	Yuneec	Blade
Jackson County Sheriff's Office	Wisconsin		
Jasper County Emergency Management Agency	Iowa	DJI	Phantom
Jasper County Emergency Services	South Carolina	Yuneec	Q500
Jasper County Sheriff's Office	Missouri	DJI	Inspire
Jefferson County Sheriff's Office	Alabama	Draganfly Innovations	Draganflyer X4

Name	State	Make	Model
Jefferson County Sheriff's Office	Oregon	DJI	Phantom
Jefferson Parish Sheriff's Office	Louisiana	DJI	Phantom
Johnson County Emergency Management	Texas	DJI	Inspire
Johnson County Sheriff's Office	Texas	DJI	Inspire
Joshua Fire Department	Texas	DJI	Inspire
Kansas City Missouri Police Department	Missouri	DJI	Inspire
Kansas City Police Department	Kansas	DJI	Inspire
Kentucky State Police	Kentucky	DJI	Phantom
Kilgore Fire Department	Texas	DJI	Phantom
Kossuth County Sheriff's Department	Iowa	DJI	Phantom
La Plata County Emergency Management	Colorado	DJI	Inspire
La Porte Fire Department	Texas	Parrot	Bebop
La Vista Police Department	Nebraska	DJI	Phantom
Lafayette County Sheriff's Office	Missouri	DJI	Phantom
Laredo Police Department	Texas	Leptron Industrial Helicopters	RDASS
Lauderdale County Sheriff's Office	Alabama	DJI	Phantom
Lee County Sheriff's Office	Alabama	DJI	Inspire
Lehigh University Police Department	Pennsylvania	DJI	Inspire
Lenexa Fire Department	Kansas	DJI	Phantom
Lenoir County Emergency Services	North Carolina	DJI	Matrice 100
Limestone County Sheriff's Office	Alabama	Physical Sciences Inc	InstantEye
Lincoln County Emergency Management Department	South Dakota	DJI	Inspire
Lincoln County Sheriff's Office	Wisconsin	DJI	Inspire
Lincoln County Sheriff's Office	Oregon	DJI	Phantom
Lindon City Police	Utah	DJI	Phantom
Linn Police Department	Wisconsin	DJI	Inspire
Livingston County Sheriff's Office	New York	DJI	Phantom, Matrice 100
Los Angeles County Sheriff's Department	California	DJI	Matrice 100
Los Angeles Police Department	California	Draganfly Innovations	Draganflyer X6
Loudoun County Sheriff's Office	Virginia	Lockheed Martin	Indago

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## Public Safety Drones

Name	State	Make	Model
Louisiana State Fire Marshal	Louisiana	DJI	Inspire, Phantom
Louisville Fire and Rescue	Kentucky	Physical Sciences Inc	InstantEye
Lubbock Police Department	Texas	DJI	Inspire
Macon-Bibb County Emergency Management Agency	Georgia	DJI	Inspire
Madeira Beach Fire Department	Florida	DJI	Inspire
Madison County Sheriff's Department	Illinois	DJI	Matrice 600
Maine State Police	Maine	Parrot	AR.Drone
Mansfield Police Department	Texas	DJI	Inspire
Marathon County Sheriff's Department	Wisconsin	DJI	Phantom
Marshall County Sheriff's Office	Minnesota	DJI	Inspire
Martin County Fire Rescue	Florida	DJI	Phantom
Maryville Department of Public Safety	Missouri	MAXSUR	
Mason County Sheriff's Office	Kentucky	DJI	Phantom
Massachusetts State Police	Massachusetts	DJI	Inspire
Medina County Sheriff Office	Ohio		TAV-200
Menlo Park Fire Department	California	DJI	Phantom
Mesa County Sheriff's Office	Colorado	Draganfly Innovations	Draganflyer X6
Mesa Fire and Medical	Arizona	DJI	Inspire
Miami Beach Police Department	Florida		
Miami Dade Schools Police Department	Florida	DJI	Phantom
Miami Police Department	Oklahoma	DJI	Inspire
Michigan State Police	Michigan	Aeryon Labs	SkyRanger
Middlesex County Sheriff's Office	Pennsylvania		
Middleton Fire Department	Wisconsin	DJI	Inspire
Mineral County	Colorado		
Mitchell County Emergency Services	Iowa	DJI	Inspire
Modesto Police Department	California	DJI	Phantom
Monroe County Search and Rescue Team	Mississippi		
Montgomery County Fire and Rescue Department	Maryland	DJI	Phantom
Montgomery County Sheriff's Department	Pennsylvania	Draganfly Innovations	Guardian

Name	State	Make	Model
Montgomery County Sheriff's Office	Alabama	DJI	Inspire
Montgomery County Sheriff's Office	Texas	Aeryon Labs	SkyRanger
Moore County Sheriff's Department	North Carolina	DJI	Phantom
Moraga-Orinda Fire District	California	DJI	Inspire
Morrow Police Department	Georgia	Yuneec	Typhoon H
Mount Carmel Township Police Department	Pennsylvania	Physical Sciences Inc	InstantEye
Mount Pleasant Police Department	South Carolina	DJI	Inspire
Myrtle Beach Police Department	South Carolina	DJI	Phantom
Nampa Police Department	Idaho	DJI	Phantom
Naperville Fire Department	Illinois	DJI	Phantom, Inspire
Nassau County Police Department	New York	DJI	Inspire
Navarro County Sheriff	Texas	DJI	Inspire
Nevada Highway Patrol	Nevada	Yuneec	Typhoon H, Typhoon Q500
New Castle County Police Department	Delaware	Lockheed Martin	Indago
New Hanover County Emergency Management	North Carolina	DJI	Phantom
New Rochelle Police Department	New York	DJI	Phantom
New York City Fire Department	New York	Hoverfly	LiveSky
Newbold Fire Department	Wisconsin	DJI	Inspire
Niagara County Sheriff's Office	New York	DJI	Phantom
Noble County Sheriff's Department	Indiana	DJI	Inspire
Norfolk Volunteer Fire Department	Connecticut	DJI	Phantom
North Carolina Department of Public Safety	North Carolina	Trimble	UX5
North Stonington Volunteer Fire District	Connecticut	DJI	Phantom
Northeast Regional UAS Unit	North Dakota	Draganfly Innovations	Draganflyer X6
Oak Ridge Fire Department	Tennessee	DJI	Phantom
Oakland County Fire	Michigan	DJI	Phantom
Oakland County Sheriff's Office	Michigan	Aerial Imaging Works	Nano, DROID-WORX Y-6
Obion County Sheriff's Office	Tennessee		
Ocean County Sheriff's Department	New Jersey	DJI	Inspire

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Name	State	Make	Model
Orange County Sheriff's Office	Florida	Draganfly Innovations	Draganflyer X6
Oregon Police Department	Oregon	Yuneec	Tornado
Oregon Police Division, Oregon Fire Department	Ohio	DJI	Matrice 100
Orem Police Department	Utah	DJI	Inspire
Orland Park Police Department	Illinois	DJI	Phantom
Ouachita County Sheriff's Office	Arkansas	DJI	Phantom
Palm Beach County Sheriff's Office	Florida	DJI	Inspire
Peabody Fire Department	Massachusetts	DJI	Phantom
Pecos Police Department	Texas	3DR	Solo
Peekskill Police Department	New York	DJI	Inspire
Perham Fire Department	Minnesota	DJI	Inspire
Perry County Sheriff's Department	Missouri	DJI	Phantom
Perry Fire Department	Iowa	DJI	Inspire
Phoenix Fire Department	Arizona	DJI	Phantom
Phoenixville Police Department	Pennsylvania	Yuneec	Typhoon H
Pittsburg County Emergency Management	Oklahoma	Physical Sciences Inc	InstantEye
Plainfield Fire Protection District	Illinois	DJI	Phantom
Plainfield Police Department	Connecticut	DJI	Inspire
Plover Police Department	Wisconsin	DJI	T600
Polk County Emergency Management Office	Arkansas	DJI	Phantom
Polk County Sheriff's Office	Florida	EasyStar, Parrot	EasyStar II, AR.Drone
Priceville Police Department	Alabama	DJI	Inspire
Princeton Fire Territory	Indiana	DJI	Phantom
Provo Police Department	Utah	DJI	Inspire
Rainbow City Police Department	Alabama		
Reeves County Sheriff's Office	Texas	DJI	Phantom
Renton Police Department	Washington	3DR	Solo
Rialto Fire Department	California		
Richmond County District Attorney's Office	New York	Draganfly Innovations	Guardian
Richmond Police Department	Indiana	DJI	Phantom

Name	State	Make	Model
Ripon Consolidated Fire District	California	DJI	Inspire
Ripon Police Department	California	DJI	Phantom, Inspire
Riverside County Sheriff's Department	California	Sentera	Phoenix M2
Rogers Police Department	Arkansas	DJI	Inspire
Rowan County Emergency Management	Kentucky		
Russell County Sheriff's Office	Virginia	Parrot	AR.Drone
Russell County Sheriff's Office	Alabama	DJI	Phantom
Sabine Volunteer Fire Department	Texas	DJI	Phantom
Sahuarita Police Department	Arizona	DJI	Phantom
San Bernardino Police Department	California	DJI	Inspire
San Diego County Sheriff's Department	California	DJI	Inspire, Phantom
San Jose Police Department	California	Century Helicopter Products	Neo 660 V2
Sarpy County Sheriff's Office	Nebraska		
Scott County Sheriff's Department	Missouri	DJI	Inspire
Scottsdale Police Department	Arizona	DJI	Inspire
Scranton Police Department	Pennsylvania	DJI	Phantom
Sedona Fire Department	Arizona	DJI	Inspire
Selma Police Department	Alabama	DJI	Phantom
Shawano County Sheriff	Wisconsin	DJI	Phantom
Smith County Sheriff's Office	Texas	DJI	Inspire
Somerset County Sheriff's Office	New Jersey	Lockheed Martin	Indago
Somerset Police Department	Kentucky	DJI	Phantom
South Carolina Highway Patrol	South Carolina	DJI	Phantom
South Padre Island Police Department	Texas	Yuneec	Q500
St Charles Parish Sheriff's Office	Louisiana	DJI	Phantom
St James Parish Sheriff's Office	Louisiana	DJI	Phantom
St Martin Parish Sheriff	Louisiana	DJI	S900 Search and Rescue
Stafford County Sheriff's Office	Virginia	DJI	Inspire
Stearns County Sheriff's Office	Minnesota	DJI	Inspire

Name	State	Make	Model
Stillwater Emergency Management Agency	Oklahoma	DJI	Phantom
Streator Fire Department	Illinois	DJI	Inspire
Susquehanna County District Attorney's Office	Pennsylvania	DJI	Phantom
Texas State Fire Marshals Office	Texas	DJI	Phantom
Thibodaux Police Department	Louisiana	DJI	Phantom
Tippecanoe County Sheriff's Office	Indiana	DJI	Inspire
Toledo Police Department	Ohio	DJI	Matrice 100
Tom Green County Sheriff's Office	Texas	DJI	Phantom
Torrance Police Department	California		
Trumbull Police Department	Connecticut		
Tulare County Sheriff's Department	California	DJI	Matrice 100
Twin Falls County Sheriff's Office	Idaho	DJI	Phantom
Ulster County Sheriff's Office	New York	DJI	Inspire
Umatilla County Sheriff's Office	Oregon	DJI	Phantom
Union County Sheriff's Office	Arkansas	DJI	Spreading Wings S1000
University of Alabama in Huntsville Police Department	Alabama		
University Police Department, Cal State Monterey	California	DJI	Phantom
Upland Police Department	California	DJI	Phantom
Upper Uwchlan Police Department	Pennsylvania	DJI	Phantom
Utah County Sheriff's Office	Utah		
Utah Division of Emergency Management	Utah	DJI	Phantom
Utah Highway Patrol	Utah	DJI	Inspire

Name	State	Make	Model
Utica Police Department	New York	Yuneec	Q500
Valparaiso Police Department	Indiana	DJI	Phantom, Inspire
Ventura County Sheriff's Office	California	AeroVironment	Qube
Vidalia Police Department	Louisiana	DJI	Phantom
Volusia County Sheriff's Office	Florida	DJI	Phantom
Warrick County Sheriff's Office	Indiana	DJI	Phantom
Washington County Sheriff's Office	Minnesota	DJI	Phantom
Waterloo Fire Department	Nebraska		
Waukesha Police Department	Wisconsin	DJI	Phantom
Wayne County Sheriff's Office	Tennessee	DJI	Phantom
Wayne Township Fire Department	Indiana	DJI	Phantom
West Haven Fire Department	Connecticut	DJI	Phantom
West Memphis Fire Department	Arkansas	DJI	Phantom
West Seneca Police Department	New York	DJI	Inspire
Weston Volunteer Fire Department	Connecticut	DJI	Phantom
Williamson County Sheriff's Office	Tennessee	DJI	Inspire, Phantom
Wilmington Police Department	Delaware	DJI	Phantom
Wood County Sheriff's Office	Wisconsin	DJI	Matrice 100
Wood County Sheriff's Office	Texas	Yuneec	Q500
Wrightsville Beach Fire Department	North Carolina	DJI	Phantom
York County Emergency Management Agency	Virginia	DJI	Matrice 600
York County Emergency Management Agency	Maine	DJI	Spreading Wings S900
Yorktown Police Department	New York	DJI	Inspire

