

SAFETY COMMITTEE MINUTES

FEBRUARY 15, 2022

The Safety Committee meeting was held on February 15, 2022 at North Royalton City Hall, 14600 State Road. The meeting was called to order at 6:44 p.m.

PRESENT: Committee Members: Chair Mike Vos, Vice Chair Jeremy Dietrich, Dawn Carbone-McDonald; **Council:** Paul Marnecheck, Joanne Krejci, John Nickell, Linda Barath; **Administration:** Mayor Larry Antoskiewicz, Fire Chief Robert Chegan, Police Chief Keith Tarase, Economic Development Director Tom Jordan, Finance Director Jenny Esarey, Law Director Thomas Kelly; **Other:** Michael McDonald, Jessica Fenos, Vincent Weimer.

APPROVAL OF MINUTES

Approval of January 18, 2022 Safety Committee minutes. Moved by Mr. Vos, seconded by Ms. Carbone-McDonald.

UNFINISHED BUSINESS

1. COVID-19 Local Response

Chief Chegan reported that numbers continue to decline. Today's numbers were down to roughly 2000 for the state, which is the lowest in a while. The emergency rooms are not as busy also.

2. Police & Safety Report

Chief Tarase advised that the January stats included the following: 55 accident reports, 3 involving deer, 73 physical arrests, 14 death reports, 77 disabled vehicles, 26 disturbances, 14 frauds, 54 suspicion complaints. We responded to 50 alarms, which we do regularly, and there were 623 traffic stops conducted. Deer hunting has been completed for the season. There were 3 deer harvested, with 115 hunted; 90 doe and 25 bucks. There were 92 permits for the year, with less people going out during the week than in the past.

Mr. Marnecheck inquired about how the change in hunting pertaining to doe and bucks affected the numbers. Mr. Dietrich recapped the change, which was that one had to get two doe before a buck. However, then it was changed to one doe, which the Chief approved. The goal was to get more deer overall. Once it was discovered how many bucks were out and how many hunters had not met their quota, it was changed.

Chief Tarase reported that we have one officer in the process of being hired, pertaining to personnel. We have completed testing for Civil Service, in which a list has been put together. His hope was to be able to start interviewing.

Ms. Carbone-McDonald asked about the jail records from last month, as to why there were significantly lower arrests in 2021 compared to 2020. Mr. Toukonen clarified that the beginning of the year, January and February, seem to be very active for whatever reason. He went on to say there is no particular reason; one month you may be up, another month you may be down. Chief Tarase commented that weather could play a part; last January was milder. He continued that it could be the difference in man power. He has more officers out on the road. Mr. Toukonen felt that things fluctuate and he was uncertain as to why.

Mr. Vos questioned the number of people driving through school bus red lights. Chief Tarase clarified it has been a lot. He did not have a number. It is a problem and most of the buses have video. First, it is passed onto the department, in which a formal complaint form must be filed from the bus driver. Officer Kimmel follows up on those. Mr. Vos commented that he did not know if the fine being raised has helped. Mr. Marnecheck felt it may not be a problem that can be solved by the fines. Mr. Nickell asked if there was a certain area of town where this is happening more often. Mr. Tarase clarified that they occur all over, with some issues in an area of Route 82.

3. Traffic Lights Discussion

- **Strongsville/North Royalton border – W. 130th Street**

Chief Tarase discussed a traffic request and the timing there. Prior to adjusting the timing, we did not conduct a traffic count. At the intersection, it is more difficult to monitor the traffic due to the speed slowing down for the intersection, and also the time of year; being able to put traffic counters there. However, we did adjust the time as mentioned previously, in which there has been less congestion at Albion Road and 130th Street; also, Albion and York Road. There is an issue with the ground detector at Albion and W. 130th, east bound, that was damaged during some construction. Therefore, they will have to look at getting that repaired; which can also be adjusted with time once it is fixed.

4. Flock Safety

Mr. Vos mentioned that Broadview Heights is adopting the cameras. Chief Tarase was speaking with the Flock representative today and brought up the concerns from the last meeting; secured data and privacy issues. Chief Tarase e-mailed that information to Council this afternoon.

Ms. Carbone-McDonald wanted to know if there was any type of safety grants that we could obtain for the cameras. Chief Tarase did not believe other cities are using grants. There are funds out there for tech upgrades; he has not researched those.

5. House Bill 172

Mayor Antoskiewicz pointed out that the current legislation would not suffice and reiterated that something would have to be decided by July, as Mr. Kelly also informed us at the last meeting.

Ms. Carbone-McDonald mentioned that she did a survey online. The result was 73.1 % for 'no' on any kind of City ban on fireworks, and 26.9 % for the City to keep it as a ban. Based on her feedback from the residents, she would like to stay with the state statute. Ms. Krejci indicated that most of the people she has spoken with do not support fireworks on the allotted holidays and that most want them restricted in some way. Mr. Vos pointed out if that is done, there will be people bringing up discrimination issues. Ms. Krejci mentioned that we do not currently have them; so why allow them. Mr. Dietrich stated that the choice would be all or nothing, if he understood Mr. Kelly. As discussion ensued, Mr. Kelly reminded everyone that his advice was that you can pick and choose if you wish, however, he thought that may contribute to confusion for the public. Secondly, the police will enforce what you decide. He felt that the enforcement would become more difficult. The alternative, in his opinion, is you hold the ban that we have in place with a newly constructed ordinance to do that, or you allow the fireworks according to the state law.

Mayor Antoskiewicz noted that he may rather not have them at all and ban them all together. You get into issues of allowing them in one area of town, and not another area of town with developments. Mr. Kelly stated that we would need a consensus from Council; legislatively. Mr. Nickell wished to remain with the state law. He mentioned he has not had many problems with fireworks or calls. Mr. Vos brought up the fact that we do have a noise ordinance. Mr. Dietrich shared that he is torn on this issue. He has gotten a 50/50 response from others. Mr. Nickell mentioned the law enforcement aspect, whereas if an officer goes to a residence, they will cease the noise; most of the time. Mr. Krejci commented that in her ward, there are a lot of condos, cluster homes, etc. Her concern is if we go with the state, whether it has any limitations for those types of neighborhoods where people live closely. Mr. Dietrich felt that was a valid concern. Secondly, Ms. Krejci wanted to know from the Chiefs, what makes it better or worse for them. As discussion ensued Chief Tarase felt that people will be unhappy on both sides. Mr. Kelly did not see anything on this regarding density or limitations.

Chief Chegan explained that the State Fire Marshal was not well addressed on this topic, as were none of the Fire Chiefs; when the state representatives voted on this. Not one Fire Chief was contacted by our state

legislature to ask about the locals, on the safety aspect. Mr. Dietrich wanted to know Chief Chegan's position on this. Chief Chegan pointed out the number of firework injuries throughout the country every year; they have to land somewhere. He indicated that he is against them. He discussed the fact that you cannot be under the influence of alcohol and in his experience, that is hardly ever the case. On a safety aspect, not one authority having jurisdiction was ever contacted during the last couple of years while this was being developed. When it comes down to the real safety issues, people do not recognize them. He talked about those that will make money on it, such as the stores; with more product in selling. There are a lot of issues when it comes to this. He felt that we are safer without them.

Ms. Barath stated that these can land on your roof. Furthermore, many of her residents are concerned how this would affect their pets and the disruption. Chief Chegan concurred. Mr. Dietrich brought up the fact that if a neighbor were to dislike you, they could let them off as much as they wish. The safety point of view was important to Mr. Dietrich. Ms. Dawn Carbone-McDonald mentioned that residents have said they will do it anyhow. Mr. Dietrich if we can table it or whether we have to decide something now. He would like to do it sooner than May if legislation may need to be written. Mr. Marnecheck asked if we come to a conclusion for the March Safety Committee meeting, that gives enough time for the legislation to be on our agenda for May. All were in agreeance. Ms. Dawn Carbone-McDonald indicated that people are going to get angry if you put certain stipulations on it. Mr. Dietrich felt that was not the way to go; it's either all or nothing. Mr. Marnecheck inquired about the total number of responses received on the survey, in which Ms. Carbone-McDonald indicated it was 186. Mr. Marnecheck commented that this means 3 to 1 are okay with House Bill 172.

Ms. Krejci talked about the major concern if we allow them, the neighborhoods; especially in her ward. Mr. Nickell asked if there was a database to show the larger areas of complaints for these; such as on July 4th. Chief Tarase indicated there is always an area, not necessarily a location. At times, it is on the southern end. Ms. Carbone-McDonald inquired about other cities, which it was pointed out that Broadview Heights has banned it. Mr. Dietrich reiterated that he was torn, however, he desires to have a ban and supported the Chief's input, which the state should have considered.

Chief Chegan noted there is going to be more, as far as the time, manner, and location of where they can be set off. The State Fire Marshals put in 90 days after the law passed; the state report is going to come out to develop a set of rules to go with the law. That has not been done yet to his knowledge. Mr. Kelly felt it would be even more difficult to figure out with the new rules. Mr. Marnecheck wanted to keep it the way we currently do it, and his concern was that experts were not consulted. He gets many phone calls around the 4th of July and in the summer time about people shooting off fireworks. Mr. Wos indicated that we would visit this more and keep it on the agenda. Chief Chegan would make contact and find out when the 90-day report is expected to come out from the State Fire Marshal. Ms. Krejci felt that would be important information. Chief Chegan stated that it is very difficult to get concrete data on specific problem areas on July 4th, in reference to the previous question.

KEEP ON AGENDA

6. Hydrant Painting and Maintenance

Chief Chegan has not received a returned call as of yet, however we are still working with Strongsville and our City. We do believe there is a price increase, which would be a dollar or two; up from \$91.00. Other than that, the information he gave the Mayor is still on the budget. We will continue to move forward once we have an agreement from the Law Department.

7. Safety Town

Chief Chegan expressed his gratitude to everyone who helped with the first fundraiser. It was a great event, which jumpstarted the project. Our next part is going to be a meeting with the schools to ensure that we have

an agreement set. We will be drafting the design for the facility and all updates will be posted on our Facebook page as we move forward. He will have the final numbers soon from the fundraiser.

8. EMS Levy

Chief Chegan will be meeting in the next week or so to come up with the data that residents are looking for, to make a decision on how they want to vote. He has had a lot of questions. We are going to be putting specific numbers together and working with the Law Department to make sure that what we present is factual. We are looking at what content will be put out there, such as the ads or mailers. We want to make sure we have the right data to support what we are putting out there. Ms. Carbone-McDonald expressed her gratitude.

TAKE OFF OF THE AGENDA

9. Street Lights for York Road

Mr. Wos inquired whether there were still any lights that were not done yet. Mr. Jordan noted to leave this in Streets Committee. We surveyed the entire city and came up with a list with a surprising number of 30 lights that they believe have not been converted to LED. Many of them are on Sprague and York Road. Mr. Jordan indicated that the company conveyed they would get working on it. The Service Department did a very nice job with the list, which has been communicated to First Energy. They will get those converted or replaced; whichever is needed.

Mr. Dietrich expressed that we were given a deadline by Christmas for these to all be converted and fixed, however, it has now been years. Mr. Jordan explained that the deadline was in 2020. Mr. Dietrich agreed. Mr. Jordan shared that we cannot go anywhere else to have this done. Mr. Dietrich pointed out that we can withhold paying CEI. Mr. Jordan clarified that you have to pay it up front. Mr. Dietrich stated that there has to be a way to hold them accountable. Mr. Jordan noted that they did credit the City for the lower rate for the conversion back to November of 2020. We are not paying the higher rate currently for the non-converted. It is just the inconvenience of the light not being as bright as it should. Mr. Dietrich commented that he does get calls on this and it is still an issue. Mr. Jordan understood, however, CEI gets around to doing it whenever they decide they can. Mr. Dietrich mentioned we should perhaps pursue legal at this point. Mayor Antoskiewicz wanted to know the reason. Mr. Dietrich expressed to give us what we have already paid. He went on to say that they still have not completed the project that we already paid for. Mayor Antoskiewicz recapped that they have credited us. Some of the lights are out and some of them were missed, however, we are going to get them done. Mr. Dietrich asked if the Service Department can provide the list so that Council is aware of where the lights are. Mr. Jordan concurred. Mr. Dietrich pointed out that he has taken notes on this and it keeps shifting around. It has been years and he just wants it done. Ms. Barath conveyed that what she has learned is that they do it whenever they do it; there is nothing you can do to make them move any quicker. Mr. Dietrich expressed his frustration. Mr. Jordan concluded that CEI are the only ones that required payment up front.

MOVE TO STREETS COMMITTEE

NEW BUSINESS

1. City Reverse 911 System

Ms. Carbone-McDonald inquired whether the City could start using the system in addition to Facebook to provide better communication to the residents in the future. She has gotten a lot of complaints the last two winter snow storms. The City has not been using it and residents are unaware of things. She noted that many do not go on Facebook. Ms. Krejci asked to clarify if that would entail sending out messages to everyone. Ms. Carbone-McDonald agreed, yes; texts and/or phone calls.

Chief Chegan asked for clarification on what specific information she is talking about putting out. Ms. Carbone-McDonald indicated things such as parking bans and trash delays. Chief Chegan explained that he has been dealing with this since they started it in the 90's, when we bought our own system, and it was called Swift Reach. We paid a lot of money for that. Over the years, we transferred over to the County, whereas they offered the free service that all of the cities enjoy. Ready Notify is a voluntary program just like doing it on Facebook. We try to be forth right whether it is Police, Fire, or the Service Department in getting that information out there. Currently, we have 1100 people on Ready Notify. Out of those, we do not know how many are active or if they have shut them off. This compares to over 15,000 on FB; not including the shares. We have discovered that we get to a lot more people using social media. We understand it will get to some more people if we use Ready Notify, however, that is more services that we have to partake in. All of the weather notices come from Ready Notify. Again, if you look at the amount of people that are actually registered, we have tried to push this in the past. Other communities are using social media. We get to a lot more residents with information that way. It would be up to the Administration to add that. All weather alerts that we have come directly from the National Weather Service that go to that; you just need to sign up. When the weather is really bad, we are very busy. We have put updates minute by minute on the Facebook page and the Fire Department's Facebook page. Chief Chegan conveyed that we are not going to put it out for things such as road closures; there are road closure signs. Also, we are not going to put it out for a fire. The Police do their job and direct people. Everyone can still get updates from the County, which we have on our website; as well as all of the links to register. We have put this out a lot trying to get people to sign up in the past. The Mayor agreed.

Ms. Krejci asked if there is anything automatic if you live in North Royalton. Chief Chegan explained that the only thing automatic with Ready Notify is the weather alerts, because they come through the National Weather Service. The Facebook pages provide a lot. Mayor Antoskiewicz commented on quickly getting it out on social media when trash pick up was delayed. He said it may not be a positive thing to get a Ready Notify at 10 o'clock at night when that happened. Chief Chegan indicated if it is a true emergency situation, they are going to do all that they can to put out emergency messages.

As discussion ensued regarding alerts, Ms. Barath wanted to know if Ready Notify is limited in the amount of information you can put into it. Chief Chegan clarified no. If they are putting out to the whole county, he would have to inquire about how many phone calls can get out per minute. He recalled a couple of storms in which he had received the alert afterwards. Ms. Barath commented that you have to determine what is going to be put on that system. She had a complaint once when we had the fire on Wallings and State Road, the Sunoco station, on that not being put on there. Chief Chegan concluded that it was a fire; we have fires all the time.

REMOVE FROM AGENDA

2. Fire Department Services

Chief Chegan wanted to touch base on a program that we enhanced, our Car Seat Safety checks. We have always had technicians in the department. We are going to be getting it more on the website, however, we have partnered with UH (University Hospitals) who always did the training. We are going to be one of four sites in the county that are going to do this the second Thursday of every month. We are going to have technicians there on a specific day. We will also be taking phone calls for those that may not be able to make that.

Chief Chegan reminded everyone about the mailbox address signs that we continue to do, as well as the residential lock box program. We have all of the keys very secured. It is a great program for those that live alone, and perhaps need to get into the house without having to break down doors; we can help them. This has been a great program. The CPR and First Aid courses are starting back as well. Our City's website has really improved a lot since we went to the new format.

Mr. Marnecheck was really glad that the car seat program was expanding and expressed his appreciation. Chief Chegan recapped that it would take place at the main station; Station 1. He would make sure we get the right information onto the website.

ADJOURNMENT

Moved by Mr. Wos seconded by Ms. Carbone-McDonald **to adjourn the February 15, 2022 meeting.** Yeas: 3 Nays: 0. **Motion carried.**

Meeting adjourned at 7:53 p.m.

About Automatic License Plate Readers (ALPR)

The Problem: Violent Crime Is Not Going Away

Nationwide, cities are experiencing a disturbing rise in homicides and violence. The FBI's 2020 Crime Report shows a 30% increase in homicides from 2019 to 2020, the largest single-year increase recorded.

Over two-thirds of the country's most populous cities saw [even more homicides](#) in 2021.

One Solution: Technology that Detects Objective Evidence to Clear More Cases

Automated License Plate Readers (ALPR) capture computer-readable images of license plates and vehicles, allowing officers to compare plate numbers against those of stolen cars or wanted individuals on a crime database like the NCIC.

ALPR devices assist law enforcement in solving crime in two ways:

- Proactive - ALPR devices provide real-time alerts when a vehicle that is stolen or associated with a known suspect is detected.
- Investigative - ALPR cameras help determine whether and which vehicle(s) were at the scene of a crime.

Is ALPR effective ?

According to the National Conference of State Legislatures, when employed ethically and objectively, ALPRs are an effective tool for law enforcement, cutting down on the time required for investigations and acting as a force multiplier. In 2011, a study by the Police Executive Research Forum concluded that ALPRs used by the Mesa, Ariz., Police Department resulted in "nearly 3 times as many 'hits' for stolen vehicles, and twice as many vehicle recoveries."

Communities with ALPR systems report crime reductions of up to 70 percent. In some areas, that included a 60 percent reduction in non-residential burglaries, 80 percent reduction in residential burglary, and a 40 percent reduction in robberies.

ALPR Provides Objective Evidence While Protecting Privacy

ALPR does not include facial recognition capabilities and does not capture personally identifiable information (PII). While eyewitnesses and individual officers are subject to inherent human bias, ALPR cameras capture wholly-objective images of vehicles and license plates, providing a clear and actionable investigative lead.

ALPR Use Cases Include:

- **AMBER Alerts:** License plate readers in metro Atlanta were able to find a vehicle containing a kidnapped one-year-old, who had been taken from his mother at random off the street. The child was recovered unharmed. Some ALPR systems integrate directly with the National Center for Missing and Exploited Children's AMBER Alert system, sending real-time alerts to officers in seconds. [[New information released about 1-year-old's kidnapping](#)]
- **Silver Alerts:** Knoxville Police were able to locate a missing elderly man who suffers from dementia after he drove away in a family vehicle. ALPR technology has helped solve hundreds of Silver Alerts across the country. [[Missing man with dementia found using Flock camera](#)]
- **Firearm violence:** The Las Vegas Trail, a high-crime area in Fort Worth, TX, saw violent crime decrease by 22% in 2021 compared with the first nine months of 2019. Fort Worth Police attributed this drop partially to the license plate reader system implemented in the neighborhood during the same period of time. [[Crime is down 22% in Fort Worth's Las Vegas Trail. How neighbors and police made it safer](#)]
- **Organized theft:** Grafton, a growing village with a bustling retail district, is dealing with increased organized retail theft – Two-thirds of all the crimes reported to Grafton police in 2020 were retail thefts. Grafton Police have implemented a license plate reader system to identify vehicles that have been involved in thefts or have been stolen themselves. In one week alone, they recovered three stolen vehicles with drivers planning to engage in retail theft. [[Losses mount as retailers fight theft rings, accuse online storefronts of doing little to stop resale of stolen goods](#)]

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21-10 Automated License Plate Readers

21-10 Automated License Plate Readers (ALPRs)

Effective Date: November 23, 2021

Amends: NA

Rescind: NEW

I. PURPOSE AND SCOPE

The purpose of this policy is to provide guidance for the capture, storage, and use of digital data obtained through the use of Automated License Plate Reader (*ALPR*) technology.

II. DEFINITIONS

- A. Automated License Plate Reader (ALPR): A device that uses cameras and computer technology to compare digital images to lists of known information of interest.
 - B. ALPR Operator: Trained CALDWELL POLICE DEPARTMENT members who may utilize ALPR system/equipment. ALPR operators may be assigned to any position within the CALDWELL POLICE DEPARTMENT, and The ALPR administrator may order the deployment of the ALPR systems for use in various efforts.
 - C. ALPR Administrator: The Chief of Police and/or he/she designee, serves as the ALPR Administrator for the CALDWELL POLICE DEPARTMENT.
 - D. Hot List: A list of license plates associated with vehicles of interest compiled from one or more databases including, but not limited to, NCIC, CA DMV, Local BOLO's, etc.
 - E. Vehicles of Interest: Including, but not limited to vehicles which are reported as stolen; display stolen license plates or tags; vehicles linked to missing and/or wanted persons and vehicles flagged by the Department of Motor Vehicle Administration or law enforcement agencies.
 - F. Detection: Data obtained by an ALPR of an image (*such as a License plate*) within public view that was read by the device, including potential images (*such as the plate and description of vehicle on which it was displayed*), and information regarding the location of the ALPR system at the time of the ALPR's read.
 - G. Hit: Alert from the ALPR system that a scanned license plate number may be in the National Crime Information Center (*NCIC*) or other law enforcement database for a specific reason including, but not limited to, being related to a stolen car, wanted person, missing
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person, domestic violation protective order or terrorist related activity.

III. ADMINISTRATION

The ALPR technology, also known as License Plate Recognition (*LPR*), allows for the automated detection of license plates along with the vehicle make, model, color and unique identifiers through the CALDWELL POLICE DEPARTMENT ALPR's system and the vendor's vehicle identification technology. The technology is used by the CALDWELL POLICE DEPARTMENT to convert data associated with vehicle license plates and vehicle descriptions for official law enforcement purposes, including identifying stolen or wanted vehicles, stolen license plates and missing persons. It may also be used to gather information related to active warrants, homeland security, electronic surveillance, suspect interdiction and stolen property recovery. All installation and maintenance of ALPR equipment, as well as ALPR data retention and access, shall be managed by the Department Information Technology Manager. The Department Information Technology Manager will assign members under his/her command to administer the day-to-day operation of the ALPR equipment and data.

IV. ALPR ADMINISTRATOR

The Chief of Police shall be responsible for compliance with all the requirements not limited to:

- A. Only properly trained sworn officers, crime analysts, and police assistants are allowed access to the ALPR system or to collect ALPR information.
- B. Ensuring that training requirements are completed for authorized users.
- C. ALPR system monitoring to ensure the security of the information and compliance with applicable privacy laws.
- D. Ensuring that procedures are followed for system operators and to maintain records of access.
- E. The title and name of the current designee in overseeing the ALPR operation is maintained. Continually working with the Custodian of Records on the retention and destruction of ALPR data.
- F. Ensuring this policy and related procedures are conspicuously open to public review.

V. OPERATIONS

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Use of an ALPR is restricted to the purposes outlined below. CALDWELL POLICE DEPARTMENT members shall not use, or allow others to use the equipment or database records for any unauthorized purpose.

- A. An ALPR shall only be used for official law enforcement business.
- B. An ALPR may be used in conjunction with any routine patrol operation or criminal investigation; reasonable suspicion or probable cause is not required before using an ALPR.
- C. Partial license plates and unique vehicle descriptions reported during major crimes should be entered into the ALPR system in an attempt to identify suspect vehicles.
- D. No member of the CALDWELL POLICE DEPARTMENT shall operate ALPR equipment or access ALPR data without first completing department approved training.
- E. If practicable, the officer should verify an ALPR response through NCIC before taking enforcement action that is based solely on an ALPR alert. Once an alert is received, the operator should confirm that the observed license plate from the system matches the license plate of the observed vehicle. Before any law enforcement action is taken because of an ALPR alert, the alert will be verified through a NCIC inquiry via MDC or through Dispatch. Members will not take any police action that restricts the freedom of any individual based solely on an ALPR alert unless it has been validated. Because the ALPR alert may relate to a vehicle and may not relate to the person operating the vehicle, officers are reminded that they need to have reasonable suspicion and/or probable cause to make an enforcement stop of any vehicle.

Example: If a vehicle entered into the system because of its association with a wanted individual, Officers should attempt to visually match the driver to the description of the wanted subject prior to making the stop or should have another legal basis for making the stop.

- F. Hot Lists. Designation of hot lists to be utilized by the ALPR system shall be made by the ALPR Administrator or his/her designee. Hot lists shall be obtained or compiled from sources as may be consistent with the purposes of the ALPR system set forth in this Policy. Hot lists utilized by the CALDWELL POLICE DEPARTMENT's LPR system may be updated by agency sources more frequently than the CALDWELL POLICE DEPARTMENT may be uploading them and thus the CALDWELL POLICE DEPARTMENT's LPR system will not have access to real time data. Occasionally, there may be errors in the LPR
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system's read of a license plate. Therefore, an alert alone shall not be a basis for police action (*other than following the vehicle of interest*). Prior to initiation of a stop of a vehicle or other intervention based on an alert, CALDWELL POLICE DEPARTMENT shall undertake the following:

- a. Verification of status on a Hot List. An officer must receive confirmation, from a SUMNER COUNTY EMERGENCY DISPATCHER or other department computer device, that the license plate is still stolen, wanted, or otherwise of interest before proceeding (*absent exigent circumstances*).
 - b. Visual verification of license plate number. Officers shall visually verify that the license plate of interest matches identically with the image of the license plate number captured (*read*) by the LPR, including both the alphanumeric characters of the license plate, state of issue, and vehicle descriptors before proceeding. CALDWELL POLICE DEPARTMENT members alerted to the fact that an observed motor vehicle's license plate is entered as a Hot Plate (*hit*) in a specific BOLO (*be on the lookout*) list are required to make a reasonable effort to confirm that a wanted person is actually in the vehicle and/or that a reasonable basis exists before a CALDWELL POLICE DEPARTMENT member would have a lawful basis to stop the vehicle.
 - c. CALDWELL POLICE DEPARTMENT members will clear all stops from hot list alerts by indicating the positive ALPR Hit, i.e., with an arrest or other enforcement action. If it is not obvious in the text of the call as to the correlation of the ALPR Hit and the arrest, then the CALDWELL POLICE DEPARTMENT member shall update with the SUMNER COUNTY EMERGENCY DISPATCHER and original person and/or a crime analyst inputting the vehicle in the hot list (*hit*).
 - d. General Hot Lists (*SVS, SFR, and SLR*) will be automatically downloaded into the ALPR system a minimum of once a day with the most current data overwriting the old data.
 - e. All entries and updates of specific Hot Lists within the ALPR system will be documented by the requesting Department member within the appropriate general offense report. As such, specific Hot Lists shall be approved by the ALPR Administrator (or his/her designee) before initial entry within the ALPR system. The updating of such a list within the ALPR system shall thereafter be accomplished pursuant to the approval of the Department member's immediate supervisor. The hits from these data sources should be viewed as informational; related solely to bring the officers attention to specific
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vehicles that have been associated with criminal activity. All Hot Plates and suspect information entered into the ALPR system will contain the following information as a minimum:

- Entering Department member's name.
- Related case number.
- Short synopsis describing the nature of the originating call.

G. Training. No member of the CALDWELL POLICE DEPARTMENT shall operate ALPR equipment or access ALPR data without first completing CALDWELL POLICE DEPARTMENT approved training.

H. Login/Logout Procedure. To ensure proper operation and facilitate oversight of the ALPR system, all users will be required to have individual credentials for access and use of the systems and/or data, which has the ability to be fully audited.

Permitted/Impermissible Uses

The ALPR system, and all data collected, is the property of the CALDWELL POLICE DEPARTMENT. Department personnel may only access and use the ALPR system for official and legitimate law enforcement purposes consistent with this Policy. The following uses of the ALPR system are specifically prohibited:

1. Invasion of Privacy: Except when done pursuant to a court order such as a search warrant, is a violation of this Policy To utilize the ALPR to record license plates except those of vehicles that are exposed to public view (*e.g. vehicles on a public road or street, or that are on private property but whose license plate(s) are visible from a public road, street, or a place to which members of the public have access, such as the parking lot of a shop or other business establishment*).
 2. Harassment or Intimidation: It is a violation of this Policy to use the ALPR system to harass and/or intimidate any individual or group.
 3. Use Based on a Protected Characteristic. It is a violation of this policy to use the LPR system or associated scan files or hot lists solely because of a person's, or group's race, gender, religion, political affiliation, nationality, ethnicity, sexual orientation, disability, or other classification protected by law.
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4. Personal Use: It is a violation of this Policy to use the ALPR system or associated scan files or hot lists for any personal purpose.
5. First Amendment Rights. It is a violation of this policy to use the LPR system or associated scan files or hot lists for the purpose or known effect of infringing upon First Amendment rights. Anyone who engages in an impermissible use of the ALPR system or associated scan files or hot lists may be subject to:
 - criminal prosecution,
 - civil liability, and/or
 - administrative sanctions, up to and including termination, pursuant to and consistent with the relevant collective bargaining agreements and CALDWELL POLICE DEPARTMENT policies.

VI. DATA COLLECTION AND RETENTION

The Chief of Police is responsible for ensuring systems and processes are in place for the proper collection and retention of ALPR data. Data will be transferred from vehicles to the designated storage in accordance with department procedures.

All ALPR data downloaded to the server should be stored for no longer than one year, and in accordance with the established records retention schedule. Thereafter, ALPR data should be purged unless it has become, or it is reasonable to believe it will become, evidence in a criminal or civil action or is subject to a discovery request or other lawful action to produce records. In those circumstances the applicable data should be downloaded from the server onto portable media and booked into evidence.

ALPR vendor, Flock Safety will store the data (*data hosting*) and ensure proper maintenance and security of data stored in their data towers. Flock Safety will purge their data at the end of the thirty (30) days of storage. However, this will not preclude CALDWELL POLICE DEPARTMENT from maintaining any relevant vehicle data obtained from the system after that period pursuant to the established CITY OF CALDWELL retention schedule mentioned above or outlined elsewhere.

Restrictions on use of ALPR Data: Information gathered or collected, and records retained by Flock Safety cameras or any other CALDWELL POLICE DEPARTMENT ALPR system will not be sold, accessed, or used for

GENERAL ORDERS

OTHER POLICIES and PROCEDURES

21-10 Automated License Plate Readers

any purpose other than legitimate law enforcement or public safety purposes.

VII. ACCOUNTABILITY and SAFEGUARDS

A. All data will be closely safeguarded and protected by both procedural and technological means. The CALDWELL POLICE DEPARTMENT will observe the following safeguards regarding access to and use of stored data.

1. All non-law enforcement requests for access to stored ALPR data shall be processed in accordance with applicable law.
2. All ALPR data downloaded to the mobile workstation shall be accessible only through a login/password-protected system capable of documenting all access of information by name, date, and time.
3. Persons approved to access ALPR data under these guidelines are permitted to access the data for legitimate law enforcement purposes only, such as when the data relate to a specific criminal investigation or department-related civil or administrative action.
4. Such ALPR data may be released to other authorized and verified law enforcement officials and agencies for legitimate law enforcement purposes.
5. Every ALPR Detection Browsing Inquiry must be documented by either the associated CALDWELL POLICE DEPARTMENT case number or incident number, and/or a reason for the inquiry.

For security or data breaches, see the Records Release and Maintenance Policy.

VIII. POLICY

The policy of the CALDWELL POLICE DEPARTMENT is to utilize ALPR technology to capture and store digital license plate data and images while recognizing the established privacy rights of the public.

All data and images gathered by the ALPR are for the official use of this department. Because such data may contain confidential information, it is not open to public review.

The CALDWELL POLICE DEPARTMENT does not permit the sharing of ALPR data gathered by the City or its contractors/subcontractors for purpose of federal immigration enforcement pursuant to Government Code § 7282.5; Government Code § 7284.2 et seq. these federal immigration agencies include Immigrations and Customs Enforcement (ICE) and Customs and Border Patrol (CPB).

IX. ALPR DATA DETECTION BROWSING AUDITS

GENERAL ORDERS

OTHER POLICIES and PROCEDURES

21-10 Automated License Plate Readers

It is the responsibility of the Chief of Police to ensure that an audit is conducted of ALPR detection browsing inquiries at least once during each calendar year. The CALDWELL POLICE DEPARTMENT will audit a sampling of the ALPR system utilization from the prior twelve (12) month period to verify proper use in accordance with the above-authorized uses. The audit shall randomly select at least ten (10) detection browsing inquiries conducted by CALDWELL POLICE DEPARTMENT employees during the preceding six (6) month period and determine if each inquiry meets the requirements established in policy section VI.

The audit shall be documented in the form of an internal department memorandum to the Chief of Police. The memorandum shall include any data errors found so that such errors can be corrected. After review by the Chief of Police, the memorandum and any associated documentation shall be filed and retained by CALDWELL POLICE DEPARTMENT.

X. RELEASING ALPR DATA

The ALPR data may be shared only with other law enforcement or prosecutorial agencies for official law enforcement purposes or as otherwise permitted by law.

- A. The agency makes a written request for the ALPR data that includes:
 1. The name of the agency.
 2. The name of the person requesting it.
 3. The intended purpose of obtaining the information.
 - B. The request is reviewed by the Chief of Police or the authorized designee and approved before the request is fulfilled. The Chief of Police or the authorized designee will consider the Government Code § 7282.5; Government Code § 7284.2 et seq, before approving the release of ALPR data. The CALDWELL POLICE DEPARTMENT does not permit the sharing of ALPR data gathered by the City or its contractors/subcontractors for the purpose of federal immigration enforcement, these federal immigration agencies include Immigrations and Customs Enforcement (ICE) and Customs and Border Patrol (CPB).
 - C. The approved request is retained on file. Requests for ALPR data by non-law enforcement or non-prosecutorial agencies will be processed as provided in the Records Maintenance and Release Policy. (*00-21 Evidence and Found Property*).
-

GENERAL ORDERS

OTHER POLICIES and PROCEDURES

21-10 Automated License Plate Readers

XI. TRAINING

The Chief of Police should ensure that members receive department-approved training for those authorized to use or access the ALPR system.



flock safety

Leverage the future of policing, *now*



flock safety

The Problem

Crime Is **Not Going Away**



The Problem

Crime Is Trending Up

- **30% increase in homicides** from 2019 to 2020, the largest single-year increase recorded [FBI 2020 Crime Report]
- 2/3 of the U.S.'s most populous cities saw **even more homicides** in 2021
- Firearm violence has drastically increased since the start of the COVID-19 pandemic
- Law enforcement are simultaneously struggling with lower recruiting rates and slashed city/county budgets

flock safety

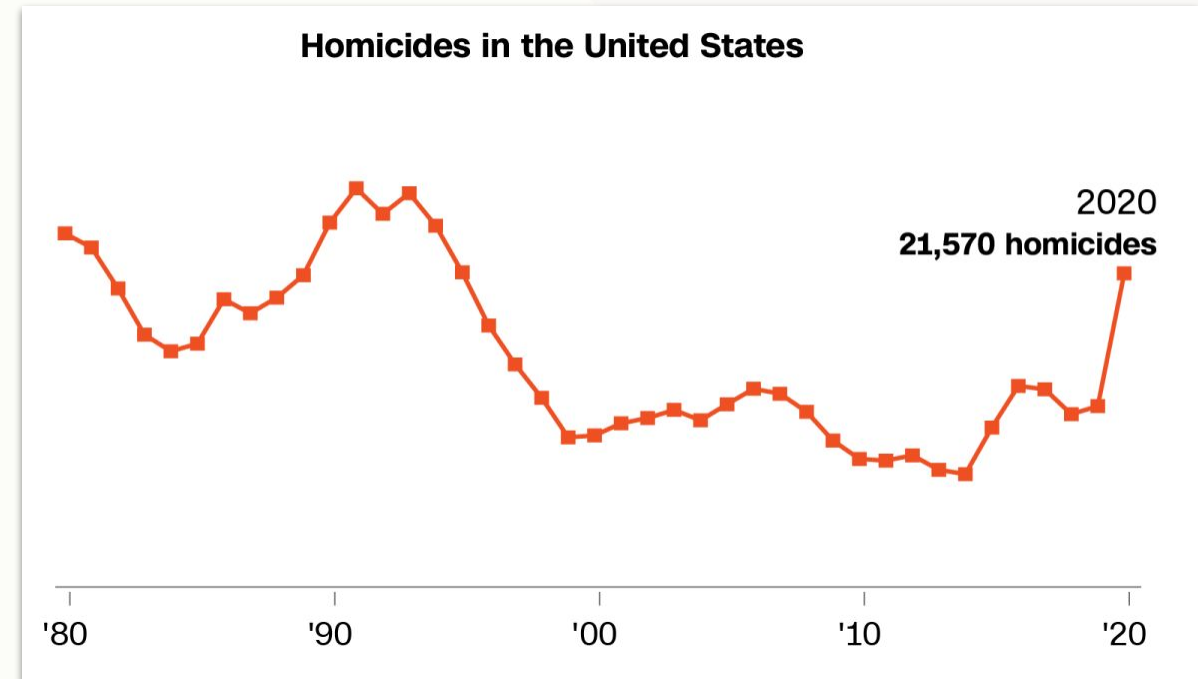


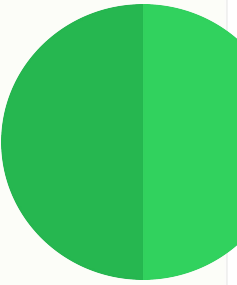
Image via CNN

One Solution: ALPR Technology

*An objective, budget-conscious force
multiplier*

How does ALPR prevent and eliminate crime?

- **Proactive:** Real Time Alerts when Stolen or Wanted Vehicles enter your City
- **Investigative:** As clearance rates increase, crime rates decrease
- Flock cameras act as a deterrent



Gathers objective and unbiased facts about vehicles

Vehicle is Stolen

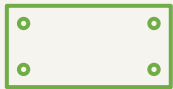


Plate
TX LGS2639



Last Visit
3:15 PMG EDT



Make
Toyota



Seen
3 OF 30 DAYS



Color
Gray



flock safety

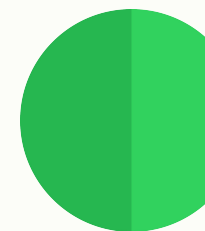
Our Mission

Eliminate Crime



Protecting Privacy

- Footage owned by Agency/City and will never be sold or shared by Flock
- 30 day retention period
- Short retention period ensures that all data not associated with a crime is automatically deleted & unrecoverable
- Takes human bias out of crime-solving by detecting objective data, and detecting events that are objectively illegal (ex. Stolen vehicles)

- All data is stored securely in the AWS Government Cloud
 - Search reason is required for audit trail
 - NOT facial recognition software
 - NOT used for immigration enforcement
 - NOT used for traffic enforcement
 - End to End Encryption of all Data
 - NO PII is contained in Flock
 - Not connected to registration data or 3rd party databases (Carfax, DMV)
 - Transparency Portal
- 

Transparency + Insights

Measure ROI and promote the ethical use of public safety technology

Transparency Portal

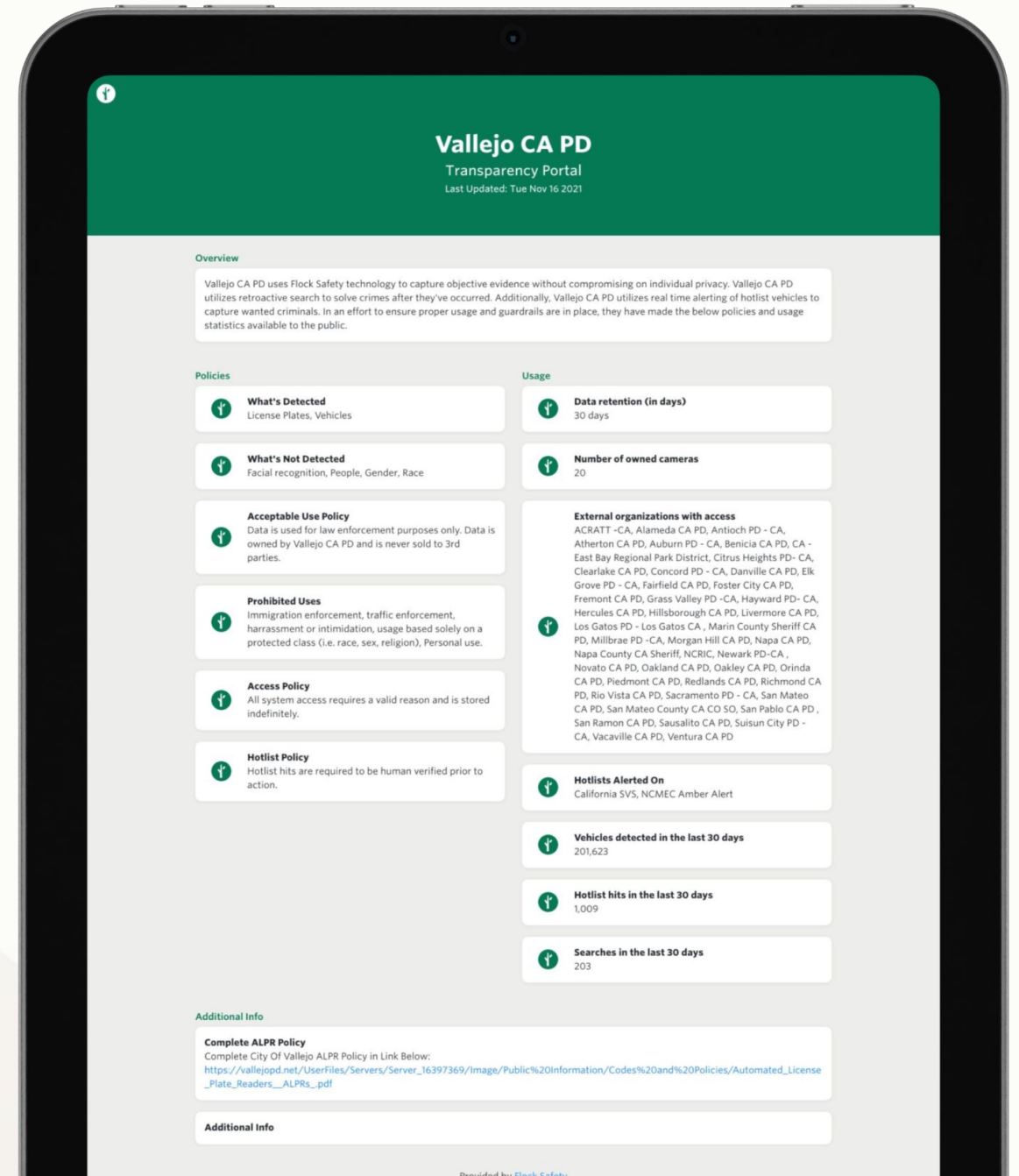
- Customizable for each agency
- Display technology policies
- Publish usage metrics
- Share downloadable Search audits

Insights Dashboard

- Measure crime patterns and ROI
- Audit Search history

Examples

- Click here for [Morgan Hill PD](#)
- Click here for [Vallejo PD](#)



CASE STUDY *Machine Vision*



CPD



Chamblee, Georgia



Stranger on Stranger Abduction
August 28, 2020

When every second matters, Flock Safety's Machine Vision is Critical

- 12:33 PM** ● Amber Alert Issued
- 1:01 PM** ● Search Conducted with Flock Safety
- 2:30 PM** ● Suspect Vehicle Located
- 5:03 PM** ● Felony Stop + Arrest
- 6:00 PM** ● Baby Reunited with Mother

Advanced Search *Immediate ROI*



Morgan Hill PD



Morgan Hill, CA

- In the First Two Weeks they recovered 9 stolen vehicles, and made even more arrests
- The occupants had shaved ignition keys, burglary tools, catalytic converters, warrants
- Every single occupant was from outside of Morgan Hill. **It was clear that they came to town specifically to commit crimes**
- Without Flock it would take 8 MONTHS to achieve similar results
- Locating these vehicles prevented the crimes that they came to Morgan Hill to commit



16X Better Results

Advanced Search *Serial Burglar*



San Ramon PD



San Ramon, CA

- Jan. 14: Officers received a Flock alert
- Vehicle believed to be associated with burglaries in the area
- Vehicle was located and officers **found 1.5 ounces of meth, stolen property and burglary tools in the vehicle.**

Before Flock

6 Stolen Vehicle
Recoveries in 8 Mo.

After Flock

21 Stolen Vehicle
Recoveries in 5 Mo.



5X Better Results

CASE STUDY *Locating Stolen Vehicle Stops More Serious Crimes*



 San Ramon PD

 San Ramon, CA

Info

External

Inbox x



Go...

7:17 AM (2 hours ago)

☆

←

⋮

to Graham, me

▼

Within hours of getting our downed cameras up and running, we were alerted to a stolen vehicle (2021 minivan) near a freeway off ramp to one of the entry points into our city. The plate was read by one of the cameras that had just been replaced.

Our officers located the stolen vehicle, as the driver appeared to be casing a local hotel parking lot.

The subject was arrested and determined to have a lengthy criminal history.

The officers located a fully loaded Glock 22 handgun under the driver's seat. The driver was on probation for weapons related convictions.

Glad we got these up and running again. Who knows what crimes the suspect would have committed had the vehicle not been identified and located in such a short period of time.

Thanks,



CASE STUDY *Stolen Vehicle Leads to Guns Off the Streets*



Benicia Police Department

November 16 at 11:52 AM · 🌐

Last night our officers arrested a man driving a stolen vehicle with 11 firearms and burglary tools in tow.

At about 8:40 p.m., our officers received an Automated License Plate Reader notification of a stolen vehicle traveling in Benicia. The vehicle was reported stolen in Fairfield. The officers spotted the car on East 5th Street and quickly detained the driver. Inside the car, officers found the firearms and burglary tools, and determined that the driver was not legally allowed to own or possess firearms.

He was arrested and booked into Solano County jail and the car was returned to its rightful owner.

More information on the arrest can be found on the "Arrests" tab here <https://benicia.crimegraphics.com/2013/default.aspx>.



CASE STUDY *Immediate ROI*



Fairfield PD



Fairfield, CA

- Solution Installed 7/2021 this is just a sample of the **first 3 weeks worth of results:**
- **Flock hit on an armed and dangerous homicide vehicle.** The vehicle was located, **two suspects arrested for murder** and a handgun recovered
- Vehicle vs bicycle **hit and run suspect identified** and arrested
- **TWO attempted murder suspects** located using Flock and **taken into custody without incident**
- **Suspect impersonating a police officer.** Victim took blurry photo but couldn't get license plate. License plate identified by nearby Flock Camera



CASE STUDY *Home Invasion*



San Mateo PD



San Mateo, CA

- 9 p.m. on Oct. 2 three people kick in the door of an elderly woman's home
- The woman was held at gunpoint and robbed of jewelry and valuables
- The perpetrators fled the scene and drove past a Flock LPR camera
- **Officers were able to investigate using LPR data and ultimately identify the suspects**
- **Without LPR they wouldn't have had a lead to investigate**



CASE STUDY *Armed Robbery*



Benicia PD



Benicia, CA



Benicia Police Department

September 27 · 🌐

On Saturday our detectives arrested an armed robbery suspect who had victimized one of our local convenience stores.

The suspect robbed a store clerk on Military East at gun point last week and left with an undisclosed amount of cash and several cartons of cigarettes. Fortunately the clerk was uninjured in the robbery. Utilizing a combination of great detective work and contemporary technology, we were able to identify the suspect vehicle, and eventually the suspect. During the course of the investigation, our officers also determined that the vehicle owner had a warrant for his arrest for a burglary. All suspects were arrested without incident and subsequently booked into jail. More information on the arrests can be found here in the "Arrests" tab:

<https://benicia.crimegraphics.com/2013/default.aspx>

The suspect vehicle was identified utilizing the newly installed Automated License Plate Readers in the city. Since their installation in the beginning of September, the cameras have assisted us to keep this community safe, which includes the recovery of five stolen vehicles, resulting in three arrests; an arrest of a drive-by shooting suspect in another jurisdiction; and most recently the arrest of the armed robbery suspect.

For more information on this technology and how it's being used in Benicia, visit <https://transparency.flocksafety.com/benicia-ca-pd>. See less

👍❤️ 852

159 Comments 34 Shares

👍 Like 💬 Comment ➦ Share

Case Study: Realtime Stolen Vehicle Alert

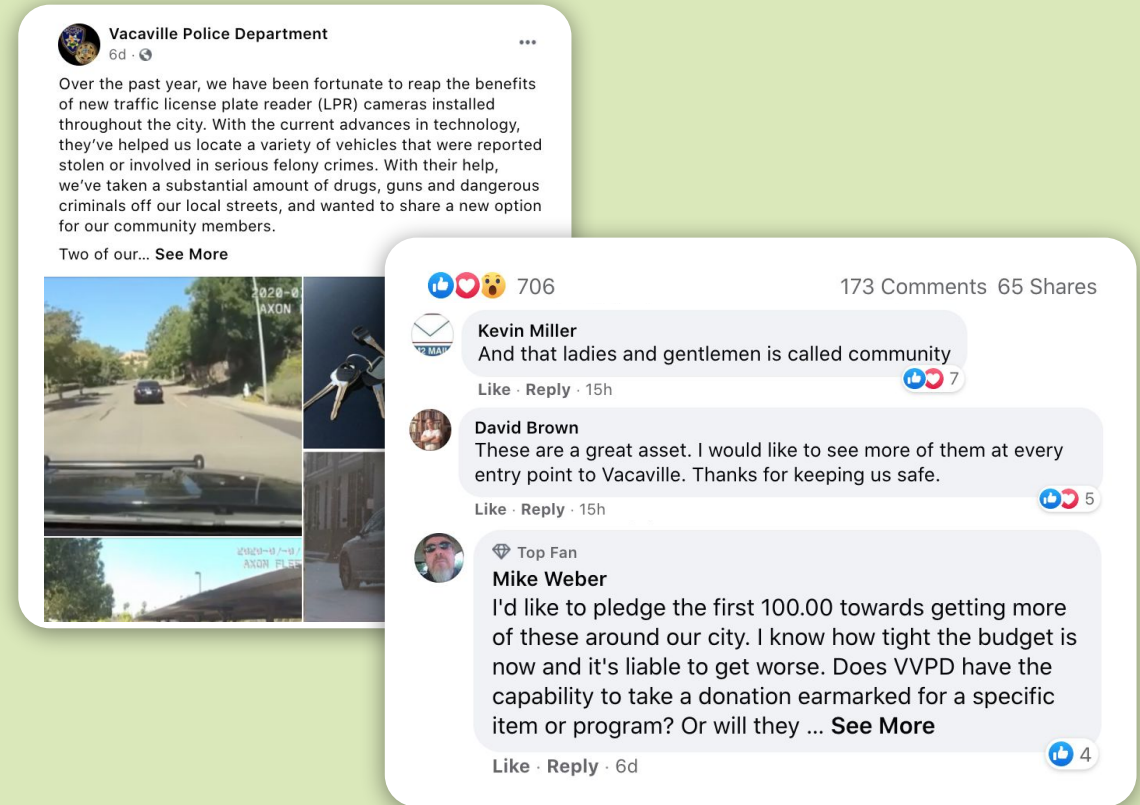


Vacaville PD



Vacaville, CA

- Vacaville PD received an alert as a stolen vehicle drove past a Flock Camera
- Officers responded, located the vehicle in a residential neighborhood, and arrested the two occupants
- The suspects were found to have shaved ignition keys in their possession, which indicated they were probably going to the neighborhood to steal another vehicle



“License plate readers are a force multiplier for our hard-working police officers,”

- Vacaville Police Chief John Carli

CASE STUDY *12 Month Results*



San Marino PD



San Marino, CA

70%

Decrease in
residential
burglaries

19%

Decrease in
part 1 crimes

36%

Requested
increase in # of
cameras

**As the number of
cleared cases
increases, crime
correspondingly
decreases.**

**Police Chief and City Council Attribute
Crime Decrease to More Cases Cleared
With LPR Cameras**

CASE STUDY: Long Term Crime Reduction



“[We’re] able to react to crimes in progress with actionable evidence obtained quickly and effortlessly by Flock Safety.”

- DC VanHoozer

215 Beat

64% Entering Auto
63% Non-Res Burglary

Precinct 2

35% Entering Auto
40% Robbery

	5 Yr Avg	2018	2019	'18 -> '19 % Change
Robbery	29	23	11	-52%
Res Burglary	59	34	27	-21%
Non-Res Burglary	23	27	10	-63%
Entering Auto	147	138	50	-64%
Theft	135	160	150	-6%
Vehicle Theft	55	52	45	-13%

Crime ~~reduction~~ prevention

CASE STUDY: *Long Term Crime Reduction*

Shelby County, TN

- Shelby County Sheriff's Office now owns 105 cameras plus
- **50-60 hot list alerts a day come through the network**
- Suspects caught in: homicides, carjackings, auto burglaries, hit-and-runs, property/neighborhood crime

“Those cameras don’t sleep, they don’t need a break, they work 24 hours a day.”

- Lt. David Ballard

15% Reduction in Group A Crimes* Over 2 Years

* Group A Crimes include Arson, Assault, Burglary, Homicide, Vehicle Theft, Rape, Weapons Law Violation, a TON more



CASE STUDY: *Violent Crime Reduction*



Dayton PD



Dayton, Ohio

**Before Flock Safety,
crime in Dayton was 2.1X the
national average.***

**Result: 46% reduction in
violent crime within target
area after 6 months**

Problem

- Violent and non-violent crime on the rise
 - Community members feel unsafe
-

Goals


- 29 strategically placed LPR cameras to capture evidence that solves crimes
- Proactively reduce crime to increase quality of life



What is this tech?

- License plate recognition
- Gathers objective evidence and facts about vehicles, not people
- Alerts police of wanted vehicles
- Used to solve crime
- Adheres to all state laws

What ISN'T this tech?

- Not facial recognition
 - Not tied to PII
 - Not used for immigration or traffic enforcement
 - Data automatically deletes every 30 days
- 

Multiply your force

Cameras that see like a detective



Questions?



Proactive Law Enforcement without bias

- Flock Cameras capture vehicles, not faces. Eliminates racial and gender bias. Cameras provide objective and unbiased evidence.
- Flock Cameras notify patrol officers within 7-15 seconds when wanted felons or stolen vehicles enter Hudson.
 - Current crime trend facts:
 - Stolen vehicles are used to bring suspects into our city to steal additional vehicles.
 - Currently, officers have to be “in the right place at the right time” to catch vehicle thieves in the act.
- Follow-up. Flock Cameras assist the department in solving previously unsolvable crimes efficiently and acts as a force multiplier.
- Other Uses
 - Missing Persons
 - Amber Alerts
 - Local emergencies not entered into NCIC. (Residents suffering from Alzheimer’s who drive away from their home, suicidal persons, etc.)
 - Identification of hit-skip suspects. ([Mentor on the Lake Case](#))
 - Endangered Juvenile Separated from Sex Offender ([Sex Offender](#))

NCIC entries not LEADS (DUS, misdemeanor warrants, etc.)

- Flock syncs with NCIC database every four hours. Flock provides hits for stolen vehicles, felony warrants and missing persons.
 - “Hit” must be validated by officer/dispatcher before action is taken.
 - Cameras do not report low level traffic/criminal warrants.

Data Retention

- Rolling 30 day retention. After 30days the data is deleted. Retention periods can only be extended by “Democratic Regulation” e.g., vote by council.
- All data is owned by customer (e.g., City of Hudson).
- Not sold to third parties.
- Stored via AES256 bit encryption. Has not been cracked.

Privacy

- Vehicles and Plates, **not** faces.
 - Each photo can capture, plates, vehicle images, date time and location.
- Only accessible to law enforcement.
- Built in auditing.
 - All searches are audited.
 - Each search must provide a valid reason (local report number).
- Flock Safety can provide a “public facing dashboard” to display policies and usages stats to the public.
- Cameras DO NOT record traffic offenses like speeding or traffic light violations.
- Complies with ACLU’s Community Control Over Police Surveillance (CCOPS) ALPR Policy.

Comparison

- Free of charge ALPR's submit data to federal or private databases that are retained for an unknown amount of time. The customer, Hudson, has no control over the data captured.
- CLEAR ALPR's are sourced from multiple public and private ALPR's. Data is stored for an unknown amount of time.

HOA's

- HOA's own their own data and may share it with LE.
- Residents have option to opt-out/safe list their license plates and have their images deleted.
- Almost all HOA's allow local LE to share/manage their camera(s) (statement by Flock).

Other

- Other cities similar to Hudson are using Flock to protect their residents. Solon, Orange Village, Gates Mills, Pepper Pike etc.
 - Twinsburg PD is currently working on a proposal.
 - Macedonia has installed 6 cameras.

Valuable Links for Flock Safety

- <https://www.flocksafety.com/ethics-center/>
- <https://www.flocksafety.com/knowledge/>

About Flock Safety ALPR

Privacy and Ethics Factsheet

How does Flock Safety keep devices and data secure?

Flock Safety holds itself to the highest level of security. We have implemented the following security policies and features:

- Flock Safety data and footage is encrypted throughout its entire lifecycle. All data is securely stored with AES256 encryption with our cloud provider, Amazon Web Services.
- On-device, data is only stored temporarily for a short time until it is uploaded to the cloud, at which point it is removed automatically from the local device. This means the data is secure from when it is on the Flock Safety device to when it is transferred to the cloud, using a secure connection to Flock Safety servers. While stored in the cloud, all data (both footage and metadata) is fully encrypted at rest.
- Flock Safety defaults to permanently deleting all data after 30 days on a rolling basis, setting a new standard in the industry.

Who has access to data collected by Flock Safety devices?

- Flock Safety's customers own 100% of their data and determine who has access. Flock Safety will never share or sell the data, per our privacy policy.
- With explicit written permission from the customer, Flock Safety does have the ability to grant law enforcement access to specific footage for a short period (24 hours, 48 hours, or however long the customer desires) in the event of an investigation following a crime. Access can only be granted through the approval of the customer.
- Flock Safety does have maintenance software in place to measure device performance and image capture quality. This is used to diagnose issues preemptively and schedule maintenance service calls in the event of a device malfunction or emergency.


About Flock Safety ALPR

Privacy and Ethics Factsheet

What is the Safe List and how does a community use it?

- The Safe List allows neighborhood or HOA residents to register their license plate number, so in the event of a crime, customers are able to quickly separate out who lives in the neighborhood and who doesn't. If a neighbor's license plate is on the Safe List, any footage of their vehicle will be marked as "resident."
- The resident can also opt to have their vehicle removed from all footage in the interest of privacy.

What features do Flock Safety devices have that enable audits and oversight?

- While searching for footage or other evidence on the Flock Safety platform, law enforcement agencies must enter reason codes to verify the legitimacy of the search and create an audit trail.
 - Authorized users go through training to properly use our system and communicate with their dispatch teams.
 - Flock Safety customers commit not to use the data collected to work with third-party repossession companies, traffic enforcement, revenue collection, unpaid fines, or towing companies. We do not use facial recognition or capture any personally identifiable information such as name, phone number, or address, and we do not work with federal government agencies for immigration enforcement purposes.
 - Flock Safety's ALPR Transparency Portal, an optional free feature for all law enforcement customers, is the first public-facing dashboard for law enforcement agencies, city leaders, and local government officials to share policies, usage, and public safety outcomes related to ALPR technology. The ALPR Transparency Portal helps promote transparency and accountability in the use of policing technology in order to build community trust while creating a safer, more equitable society.
- 

About Flock Safety ALPR

Product + Technology FAQs

What is ALPR?

Automatic License Plate Readers (ALPR) have long helped law enforcement in solving crimes and recovering stolen vehicles. ALPRs capture computer-readable images of license plates, allowing officers to compare plate numbers against those of stolen cars or wanted individuals on a database like the NCIC.

ALPR cameras can be installed on vehicles ("mobile ALPR") or attached to fixed objects like traffic lights ("fixed ALPR").

The information by ALPR cameras can help determine whether a vehicle was at the scene of a crime and to discover vehicles that may be associated with each other. Law enforcement agencies can choose to share their information with other agencies. The cameras can also integrate information from national or state crime databases to provide real-time alerts when a vehicle associated with a known suspect or a stolen vehicle passes the camera.

Is ALPR effective ?

According to the National Conference of State Legislatures, when employed ethically and objectively, ALPRs are an effective tool for law enforcement, cutting down on the time required for investigations and acting as a force multiplier. In 2011, a study by the Police Executive Research Forum concluded that ALPRs used by the Mesa, Ariz., Police Department resulted in "nearly 3 times as many 'hits' for stolen vehicles, and twice as many vehicle recoveries."

Flock Safety communities have reported overall crime reductions of over 70 percent after a period of time utilizing the ALPR system . In some areas, that included an over 60 percent reduction in non-residential burglaries, 80 percent reduction in residential burglary, and an over 40 percent reduction in robberies.

About Flock Safety ALPR

Product + Technology FAQs

What is Flock Safety?

Flock Safety is a public safety operating system that helps communities and law enforcement in over 1,500 cities work together to eliminate crime, protect privacy, and mitigate bias. We build devices that capture objective evidence and use machine learning to detect and deliver unbiased investigative leads to law enforcement. Flock Safety communities have reported crime reductions of up to 70 percent.

Flock Safety serves HOAs, neighborhoods, businesses, law enforcement agencies, towns, and cities.

Today, there are over 1,500 Flock Safety communities; we partner with 1000+ law enforcement agencies.

Does Flock Safety help reduce crime?

Law enforcement agencies have reported that utilizing Flock Safety devices has helped reduce crime by over 70 percent. In some areas, that included an over 80 percent reduction in residential burglaries, over 40 percent reduction in robberies, and an over 30 percent reduction in violent crime.

What is the Flock Safety Falcon™ camera?

The Flock Safety Falcon is a solar-powered, motion-activated and infrastructure-free camera that leverages our proprietary Vehicle Fingerprint technology to identify and categorize the details of vehicle that pass by it. The Falcon captures the make, vehicle type, color, license plate (full, partial, or missing), state of the plate, and unique features, including damage and after-market alterations. They are connected to the cloud through LTE, like a mobile phone, and perform 24/7 in any weather.

Flock Safety cameras leverage the FBI's NCIC hotlist to send real-time alerts to law enforcement when a wanted or stolen vehicle is detected. Officers verify that information with their dispatch to safely make arrests and recover stolen property. They can also be used in the event of an Amber or Silver Alert in the same capacity.

About Flock Safety ALPR

Product + Technology FAQs

What makes the Falcon ALPR camera better than its competitors?

Flock Safety cameras employ best-in-class LPR and machine learning technology. The Falcon can capture multiple frames of a car traveling up to 75 MPH from up to 100 feet away. In side-by-side tests, Flock Safety's ALPR technology consistently performs above legacy competitors. In a study conducted by the Los Angeles Sheriff's Office, Flock Safety produced 30 percent more accurate reads than the competition.

The Falcon's infrared captures highly-accurate, clear images day or night. Vehicle Fingerprint technology provides information far beyond the license plate, like vehicle make, type, color, and unusual characteristics that help law enforcement officers quickly identify leads.

Traditionally, LPR cameras are typically extremely expensive, costing anywhere from \$10,000-\$40,000. The Falcon's affordable subscription fee of \$2,500 per camera per year includes installation, maintenance, software updates, and data storage and security. Flock Safety cameras are infrastructure-free, powered by solar, connected to the cloud through LTE, and easily movable.

Lastly, Flock Safety is in the top echelon of the industry for our strict protocols on privacy, transparency, and security. Our data will never be shared without permission, sold to third parties, or used for unpaid fines, unauthorized viewing outside of a legitimate crime event, or stored without consent. The footage is fully encrypted from device to cloud, and deleted after 30 days on a rolling basis unless a democratically-elected governing body or official legislates a different retention period.

flock safety

January 2021

Overview of Flock Safety End to End Data Security

The following is an overview of the end to end data security of the Flock Safety system. The Flock Safety system is defined as the combination of the Flock Safety ALPR camera and the Flock Safety built software hosted in the Flock Safety AWS Cloud environment.

All footage taken by the cameras is encrypted at rest while on the camera. Additionally, unlike more traditional LPR solutions, the Flock Safety cameras have no public IP, and therefore, it is not possible for anyone to connect to the camera remotely to access footage.

Once the footage is ready to be uploaded and in turn be processed, the camera pushes the footage to the cloud. The footage is sent using secure sockets and a proprietary handshake developed by Flock Safety. Additionally, all footage is encrypted in transit.

Once in the cloud, all footage is encrypted at rest and all CJIS data is stored in the AWS Gov Cloud. Flock Safety uses KMS based encryption, instead of AES, therefore, limiting access to the encryption keys to only a few select Flock employees (when using AES, Amazon also has access to the encryption keys). These employees have undergone extensive background checks (as have all Flock Safety employees), as well as CJIS training and fingerprinting.

CJIS data is only made available to Law Enforcement agencies who have signed a Memorandums of Understanding (MOU) that governs the sharing of this data between Flock and the agency. No CJIS data is shared with non-Law Enforcement Flock Safety Customers.

For Hotlist alerts, metadata (license plate # and state) for each license plate captured is checked against relevant national, state, local, and custom hotlists. If the metadata matches a license plate on one of these hotlists, the metadata, along with a single image, is provided to the Law Enforcement agency with jurisdiction via the Flock environment in the AWS Gov Cloud.

Access to all CJIS data, along with all activities taken by users of the Flock Safety system are logged and available for auditing. Flock Safety has a set of alarms that help to monitor the health of the cameras; however, no Flock Safety employee monitors the footage taken by customer cameras unless they are given express permission from the customer (this permission and activity is also logged). Finally, all Flock Safety activities and processes are governed by the Flock Safety Internet Security Policy.

Your partner in eliminating crime

Flock Safety provides 1000+ law enforcement agencies in over 1400 cities a scalable solution for public safety that reduces crime by up to 60%. Spend less time chasing investigative leads; leverage Flock Safety's automatic license plate recognition (ALPR) and Vehicle Fingerprint™ technology to get actionable, objective evidence that drives results in your community for less than the cost of hiring an additional officer.

ALPR cameras that go anywhere

Our devices are infrastructure-free with solar power and LTE connectivity, so we can install them quickly where they make the most impact on crime.

Capture more than license plates

Search footage with Vehicle Fingerprint™ technology. Access vehicle type, make, color, license plate state, missing / covered plates, and other unique features like bumper stickers, decals, and roof racks.

Multiply your force with less

\$2,500 per camera/year includes hardware, software, solar power, data, cloud storage, ongoing maintenance, and access to 1B+ plate reads/month.

Partner with your community

Thousands of communities use privately-funded Flock Safety cameras nationwide. This means law enforcement has access to more footage without the additional cost.

1000

agency
relationships
nationwide

1400

cities with
private
cameras

1B+

license plate
reads per
month

120

Hot List
notifications
per hour



Flock Safety's public safety operating system includes fixed license plate reading cameras and software for unlimited users to access footage and receive Hot List notifications.

Increase case clearance for your agency with Flock OS

Detect objective evidence 24/7

Scale public safety without growing your force or exceeding your budget. Instead of knocking on doors after a crime occurs, proactively deploy ALPR cameras or transform existing IP cameras into cameras that see like a detective 24/7 without overtime pay.



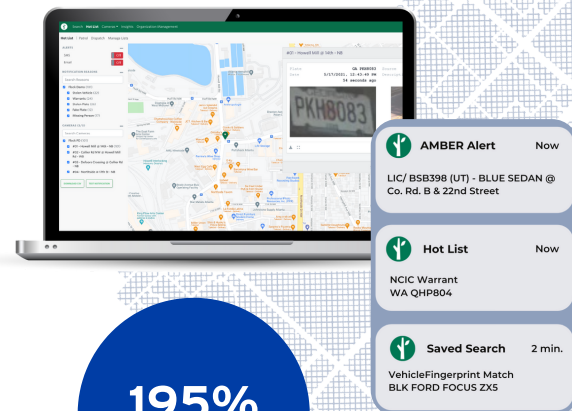
Decode footage to uncover leads

Our software identifies body type, make, color, license plate (partial, missing, or covered plates), temporary plates, license plate state, and unique features like decals, bumper stickers, and accessories that create a traceable Vehicle Fingerprint.



Deliver actionable data to your agency

Give Dispatch a birds-eye view of your jurisdiction and empower your Patrol Officers to be more effective in the field with real-time notifications related to active investigations.



"This technology provides officers the investigative leads necessary to go after suspects immediately, which is great for morale."

Sgt. Adam Senf, Vacaville, CA

195%

customer
retention

flock safety

Since 2017, Flock Safety has played a critical role in crime reduction and cases solved:

We provide the evidence for police to solve 185 crimes every day:

- A dozen kidnappings and Amber Alerts solved including in Chamblee, GA, Wichita, KS, and Memphis, TN
- Dozens of homicides solved including in College Park, GA, Fort Worth, TX, Shelby County, TN, and Hemet, CA
- Hundreds of robberies and assaults including in Indianapolis, IN, Trussville, AL, and Redlands, CA
- Thousands of stolen vehicles recovered
- Hundreds of pounds of illegal narcotics seized
- Hundreds of illegal weapons seized

We're seeing crime reduction across the county:

- 34% reduction of crime in Marietta, GA - 2019
- 62% reduction in crime in Cobb County, GA - 2020
- 70% reduction in burglaries in San Marino, CA - 2021
- 22% reduction in crime in Fort Worth's Las Vegas Trail neighborhood
- 30% reduction in Type A crimes in Shelby County, TN
- 46% fewer car break-ins and 25% fewer motor vehicle thefts at a Community Improvement District (CID) that welcomes over 1 million visitors each year
- Up to 90% reduction in mail theft in residential neighborhoods

Stolen vehicles recoveries have totaled:

- \$1.5 million in Fort Worth, TX
- \$1 million+ in Memorial Villages, TX
- \$1 million+ in Hemet, CA
- \$1.9 million+ in Wichita, KS

02-09-2022

January Stats

ACCIDENTS:

FATAL	0
DEER	3
HIT SKIP	5
INJURY	0
NON INJURY	39
PRIVATE PROPERTY	4

PHYSICAL ARRESTS:	72
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SPEEDING TICKETS:	33
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THEFT COMPLAINTS:	14
(includes attempts)	