

Safe City Update

**Datacentric solutions within and across
Police, Fire, and Emergency Management**

City of San José
Smart Cities and Services Improvement Committee
December 6, 2018

Safe City Update Agenda

1

Overview

2

Improving Response Times – Fire Department

3

Real-time Crime Analysis – Police Department

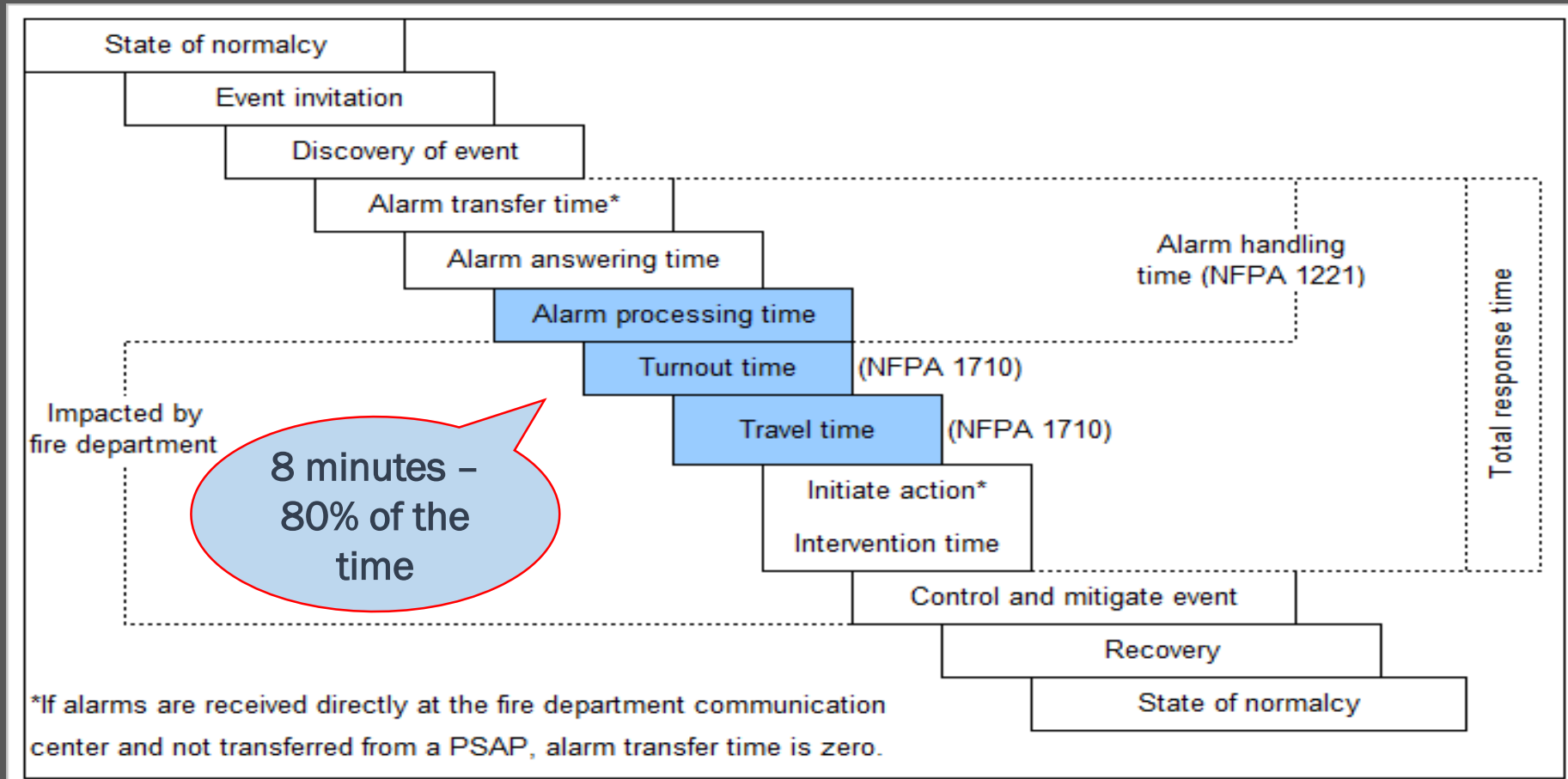
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Mass Public Notification – Office of Emergency Management

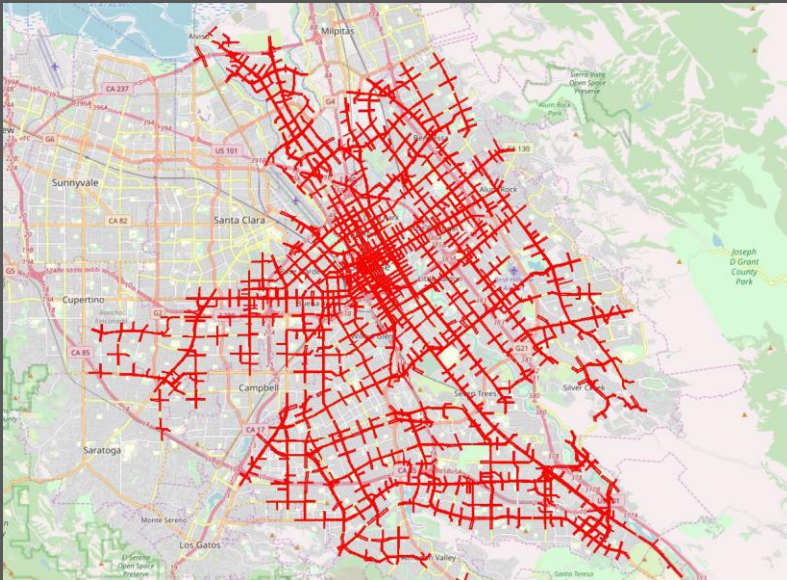
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Next Steps

Fire Department Improving Response Times



Fire Department Emergency Vehicle Preemption



Project Timeline:

- Initiated project in FY 2016-2017 with one-time funding of 1.2 Million.
- CEVP pilot enable on 41 selected intersections. (July/Aug 2018)
- Go Live – Began citywide deployment to production. (September 2018)
- Completed deployment 896 out of 955 City intersections.
 - 52 pending hardware replacement. January 2019
 - 7 not part of CEVP – no network connectivity.

Fire Department Business Intelligence



Project Timeline:

- Initiated project in FY 2015-2016. RFP Released (May 2016)
- **Phase 1 – Creation of data warehouse**
(Completed August 2017)
- **Phase 2 – Extract data, Transform, and Load (ETL)**
(Completed September 2017)
- **Phase 3 – Enterprise Resource Planning & ETL interfaces**
(Estimated December 2018)
 - Performed data mapping for CAD, Fire RMS, PD RMS, and Fire staff scheduling software to the target tables in the BI Schema documented.
 - Verification of Production Data– Fire CAD and PD RMS pending.
- Roll-out plan to deploy end-users is estimated beginning of 2019.
- Department technical and power user program-level staff completed training on Microsoft Azure, Data warehouse, ETLs, Power BI Pro, and datasets.

Fire Department Fire Station Alerting System



Project Timeline:

- \$1.3 million allocated in 2016-2017.
 - Contract period Oct. 24, 2017- April 30, 2024.
- System hardware delivered Feb. 1, 2018.
- Public Works installed all station controllers. (Completed September 2018)
- IT Department testing redundant network connectivity required to ensure 24/7 operation.
- Fire Station network components and system configuration. Pending testing outcome.
- Go Live – Estimated March 2019

Fire Department On the Horizon



Closest Unit Dispatch Project:

- Dual Network Connectivity of Fire Apparatus (Coverage)
- CAD Configuration
- Policy Development
- Operationalize / Process and Procedure

Police Department Real-time Crime Analysis



Police Department



Crime View Dashboard

Crimemapping.com

The Advanced Reporting Module

Predictive Mission

Police Department Crime View Dashboard




Central Division - Final

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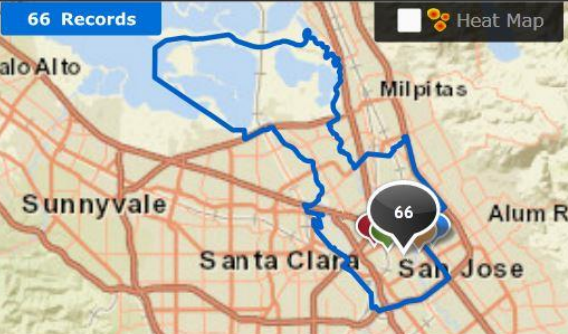
 **CRIMEVIEW**® Dashboard

30 Day Trends - Viol / Prop / CFS

Analysis Mode

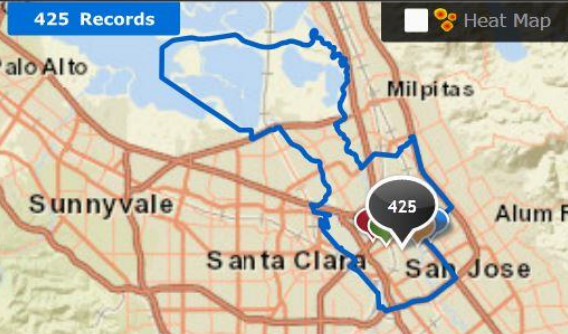
 Violent Crime Pin Map Last...
Last Updated: 11/29/2018 6:04:24 AM


      



 Property Crime Pin Map...
Last Updated: 11/29/2018 6:04:25 AM



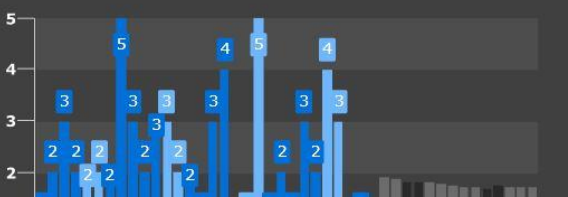
 CFS Density Map Last 30...
Last Updated: 11/29/2018 6:04:22 AM



 Violent Crime Trend Chart...
Last Updated: 11/29/2018 6:04:31 AM

Trend Lines: NO STATISTICS



 Property Crime Trend...
Last Updated: 11/29/2018 6:04:29 AM

Trend Lines: NO STATISTICS



 CFS Trend Chart Last 30 Days
Last Updated: 11/29/2018 6:05:32 AM

Trend Lines: NO STATISTICS



Police Department Crime View Dashboard



← → ↻ 🔒 https://www.crimemapping.com/map/ca/SanJose

CRIMEMAPPING™ Helping You Build a Safer Community

RECEIVE ALERTS

201 W Mission St, San Jose, CA, 95110, USA

GO

9 Records

Date Range: 11-22-2018 to 11-28-2018 (7 Days)

FILTERS

Display Options

What type(s) of records would you like to see?

Select All | Deselect All

SUMMARY

WHAT

WHERE

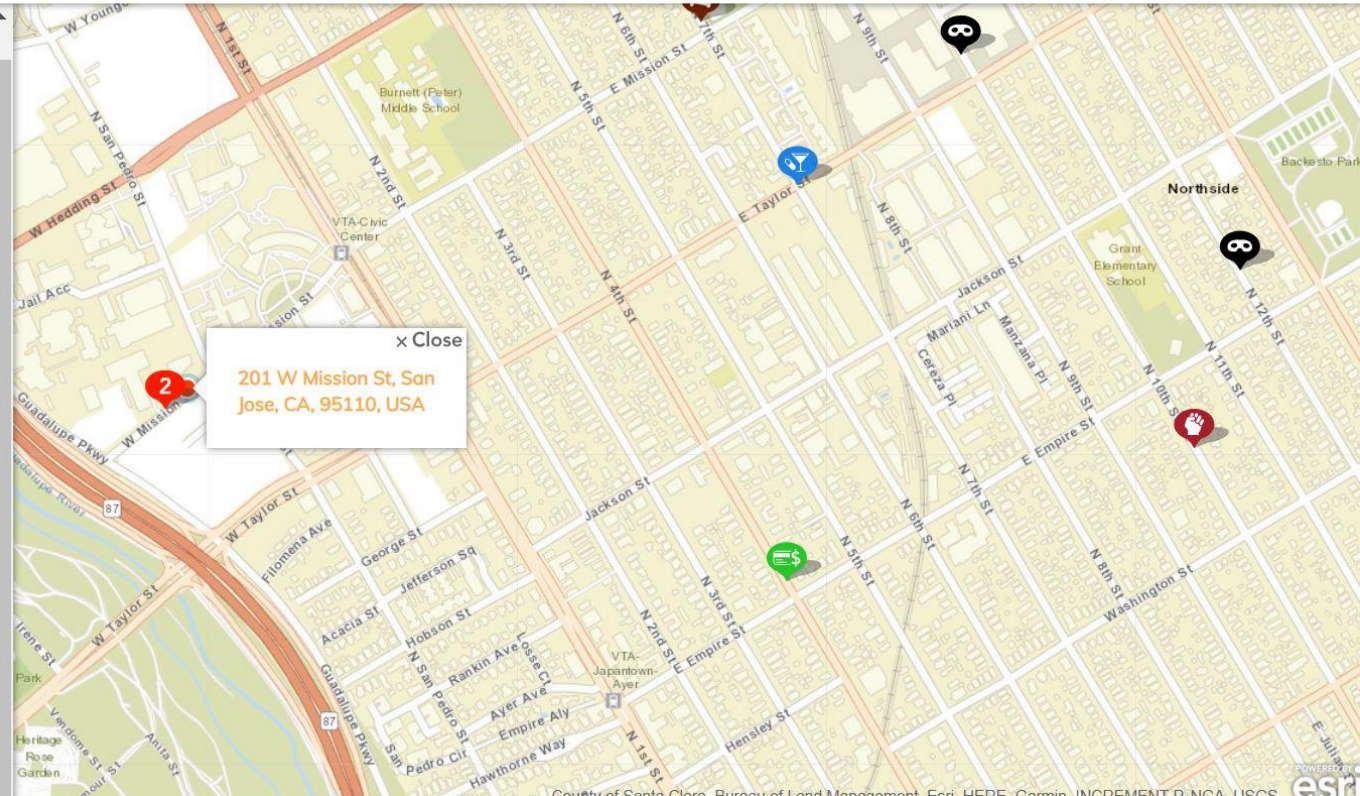
WHEN

REPORT

CHARTS

PRINT

- ☒ Arson
- ☒ Assault
- ☒ Burglary
- ☒ Disturbing the Peace
- ☒ Drugs / Alcohol Violations
- ☒ DUI
- ☒ Fraud
- ☒ Homicide
- ☒ Motor Vehicle Theft
- ☒ Robbery
- ☒ Sex Crimes
- ☒ Theft / Larceny
- ☒ Vandalism
- ☒ Vehicle Break-In / Theft



Police Department Crime View Dashboard



 **CRIMEVIEW** Dashboard

Analysis Mode

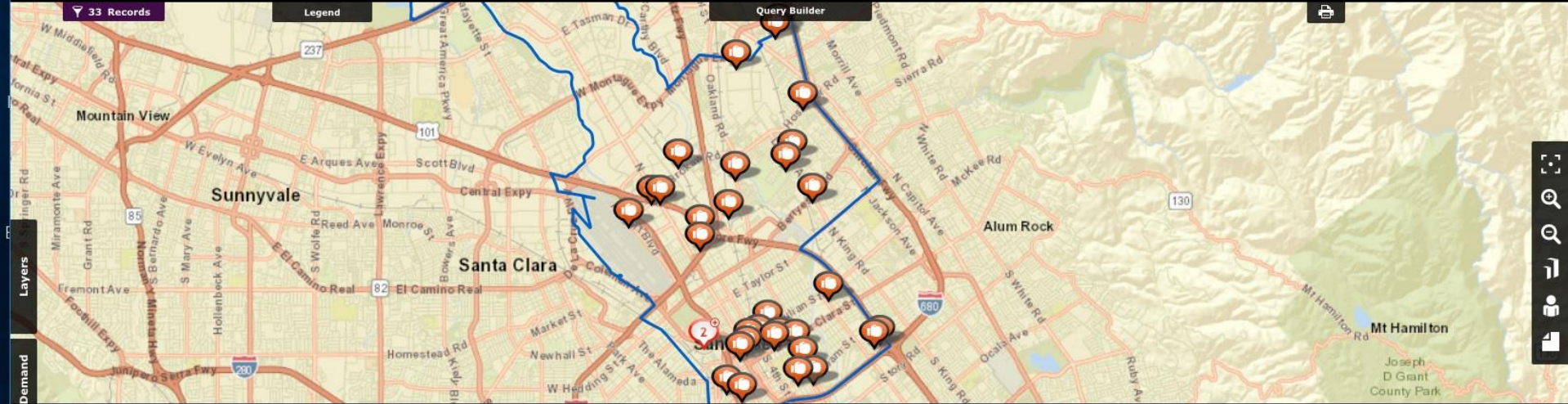
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Dashboard

33 Records

Legend

Query Builder



Active Layer

Violent Crime Pin Map Last 30...

Clear Filter

x CLOSE

Categories:

CRIME CATEGORY

Subcategories:

DOW/TOD

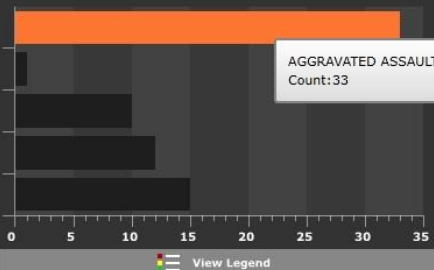
Temporal Grid

Ad-Hoc

Time Sequencer

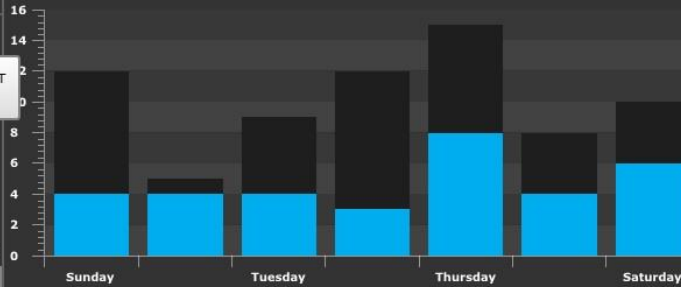
Chart Selection Mode:

Multiple Single

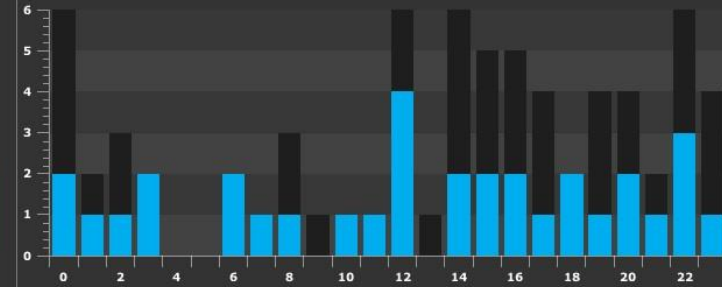


View Legend

Day of Week



Time of Day



Charts

Table

Playbook

Police Department Crime View Dashboard

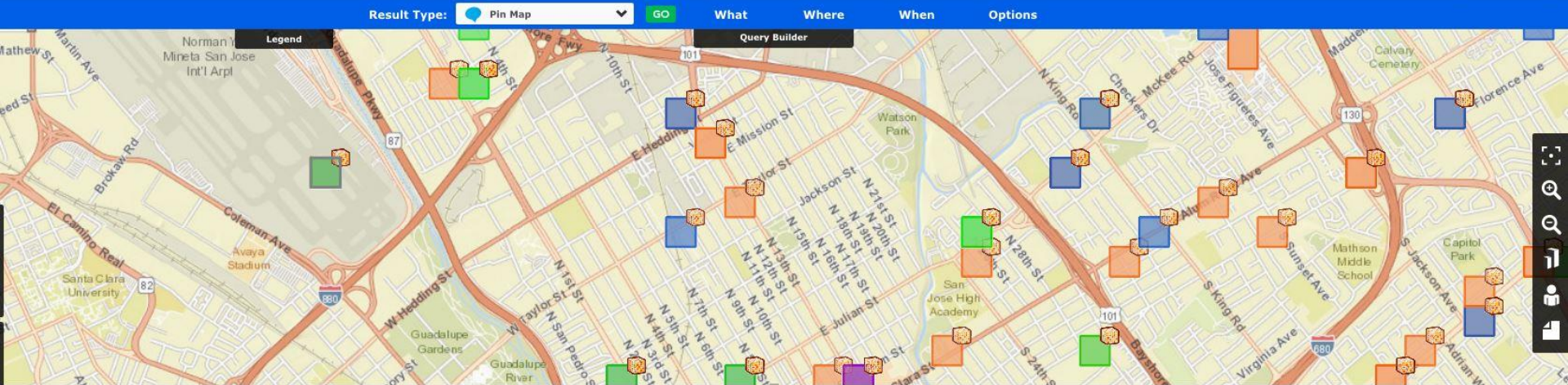









 Dashboard

Analysis Mode

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Dashboard



Type ^	Title ^	Details ^	Active ^	Expiration ^	x CLOSE
<input type="checkbox"/>	Temporary Group				
<input type="checkbox"/>	Central Note Group				
<input checked="" type="checkbox"/>	Predictive Missions				
<input checked="" type="checkbox"/>	 Motor Vehicle...	Crime Models: Motor Vehicle Thefts:98%, Burglary:1%, Aggravated Assault:1% Recommended Dose: 900			
<input checked="" type="checkbox"/>	 Burglary:39% Mission...	Crime Models: Burglary:39%, Motor Vehicle Thefts:28%, Burglary - Residential:21%, Aggravated Assault:10%, Robbery:2% Recommended Dose: 900			
<input type="checkbox"/>	 Burglary:35% Mission...	Crime Models: Burglary:35%, Burglary - Residential:27%, Motor Vehicle Thefts:20%, Aggravated Assault:15%, Robbery:3% Recommended Dose: 900			
<input type="checkbox"/>	 Aggravated...	Crime Models: Aggravated Assault:80%, Motor Vehicle Thefts:13%, Burglary - Residential:4%, Burglary:1%, Robbery:1% Recommended Dose: 900			
<input type="checkbox"/>	 Burglary - ...	Crime Models: Burglary - Residential:46%, Motor Vehicle Thefts:27%, Aggravated Assault:21%, Burglary:4%, Robbery:2% Recommended Dose: 900			
<input type="checkbox"/>	 Motor Vehicle...	Crime Models: Motor Vehicle Thefts:54%, Burglary - Residential:32%, Aggravated Assault:10%, Burglary:3%, Robbery:1% Recommended Dose: 900			
<input type="checkbox"/>	 Aggravated...	Crime Models: Aggravated Assault:45%, Motor Vehicle Thefts:18%, Robbery:17%, Burglary:12%, Burglary - Residential:8% Recommended Dose: 900			

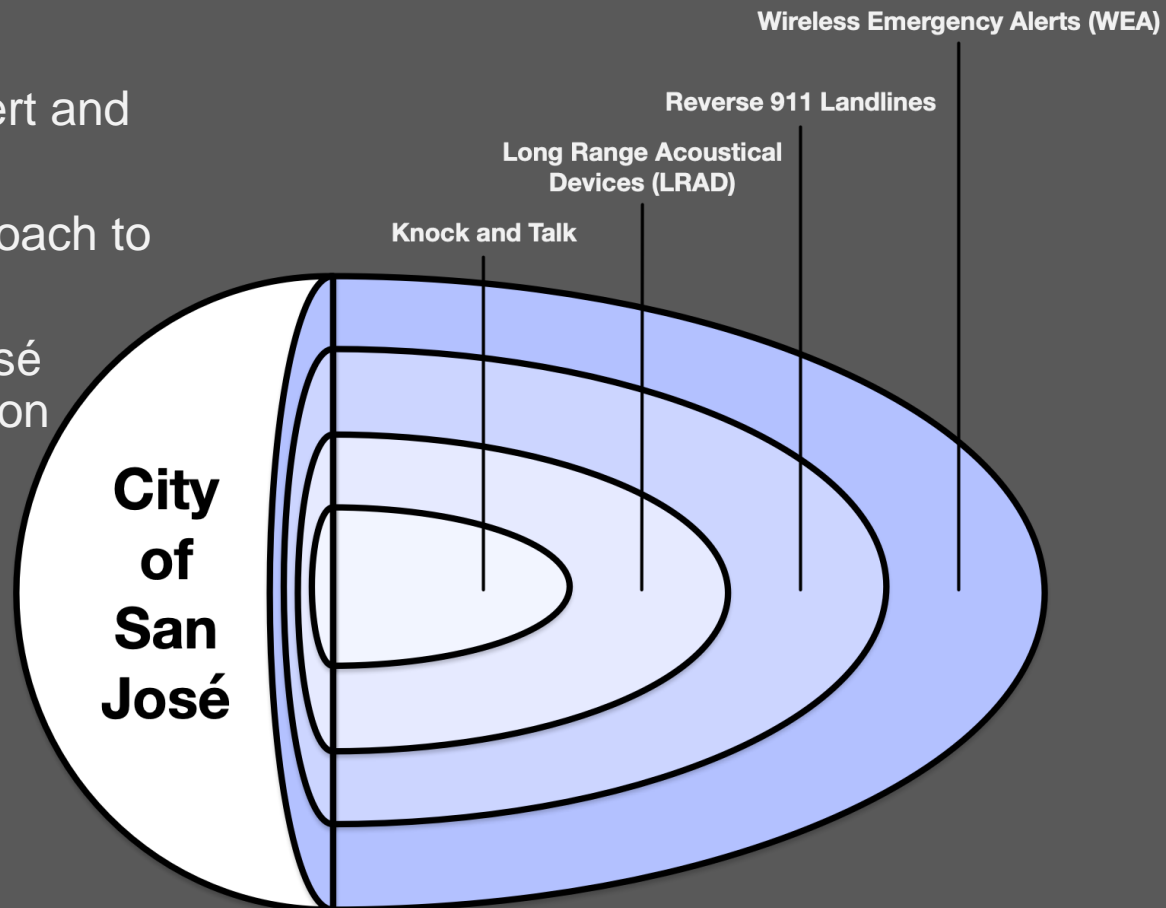
Emergency Management

Mass Public Notification

Emergency Management Mass Notification System

2018 Goals

- Increase our capability to alert and notify San José residents.
- Develop a multilayered approach to emergency notifications.
- Encourage Opt-In of San José residents and allow notification language selection.



Emergency Management Mass Notification System

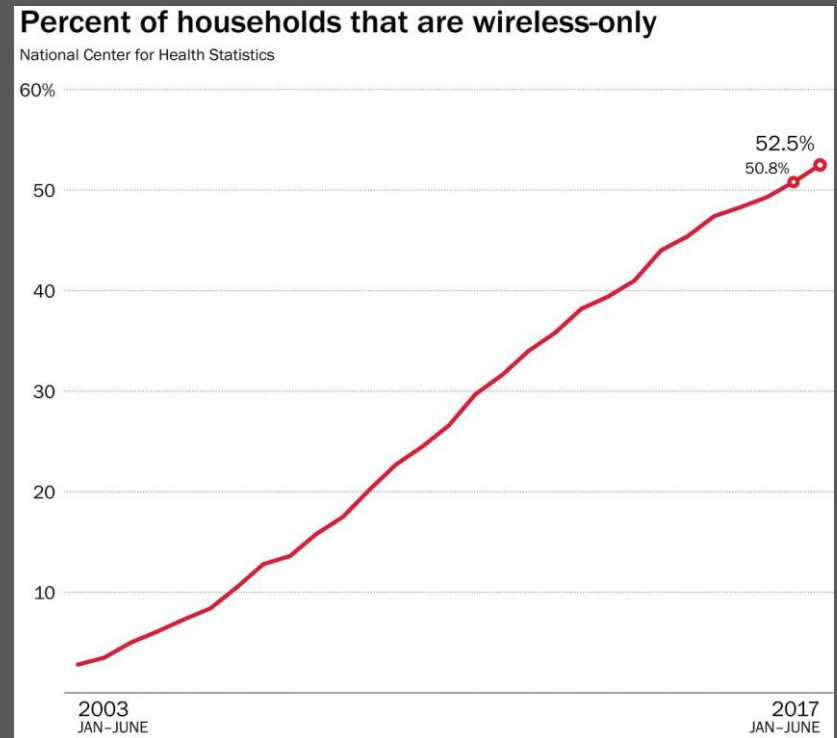
Common Communication Methods:

- **Wireless Emergency Alert (WEA):** When wireless phone carriers broadcast to cellphones in a specific geographic area on behalf of government agencies to send you an alert with a distinctive sound. An example is an Amber Alert.
- **Reverse 911:** When 911 operators call you, mostly to landline telephones.
- **AlertSCC :** An opt-in system that is similar to reverse 911 that can send alerts to landline telephones, mobile phones, email, and text message. Multiple languages are supported (English, Spanish and Vietnamese).
- **Nixle:** An anonymous opt-in system using zip codes that many county agencies, including Sonoma and Santa Clara, use to contact residents via text and email alerts.

Emergency Management Mass Notification System

The importance of Wireless Emergency Alerts (WEA) has increased significantly.

- 53.9% of households in the U.S. are now using only wireless telephones instead of landlines.
- Reverse 911 does not include wireless telephones and most Voice Over IP (VOIP) telephones.
- WEA messages can reach approximately 75% of the U.S. population within minutes.



Emergency Management Mass Notification System

2018 Achievements:

- 1 full-time Alert & Warning Coordinator hired by Office of Emergency Management.
- 6 life-safety uses of the Alert Santa Clara County (AlertSCC) and Integrated Public Alert And Warning System (IPAWS) by the City of San José.
- 77% increase since 2017 of City of San José AlertSCC opt-in, with a language choice of English, Spanish, & Vietnamese notifications.
- 138 monthly tests and exercise notifications made by authorized Public Safety Answering Point Supervisors, Bridge Seniors, and Office of Emergency Management Staff.

Emergency Management Mass Notification System

Nixle Signup

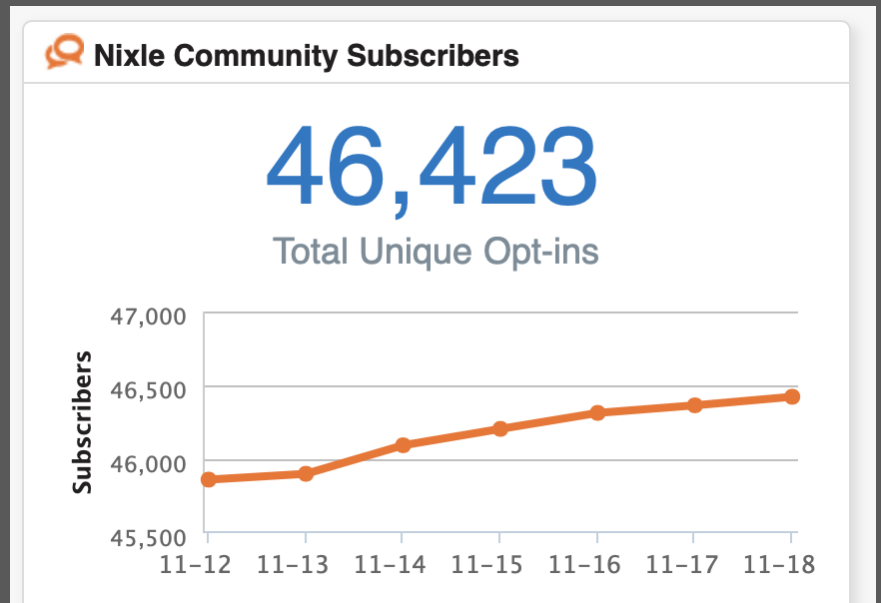
- Up 14% in Santa Clara county since 2017
- Easy and anonymous to sign up just text your zip code to 888777.

Looking to Receive Alerts from Your Local Agencies?

TEXT YOUR ZIP CODE TO 888777 TO OPT-IN

Receive alerts for

				
Severe Weather	Criminal Activities	Severe Traffic	Missing Persons	Local Events



Emergency Management Mass Notification System

How can you help? Encourage your residents to sign up!

Sign up on www.AlertSCC.org and you can choose additional languages (English, Spanish, and Vietnamese)

How can we warn you if we can't reach you?

Text your zip code to 888777 for emergency alerts.



www.AlertSCC.org

Be warned and
stay informed.

Safe City Strategy

Next Steps

1

Build City Capacity

2

Assess Public Safety Mobile Network Requirements

3

Update Safe City Strategy in 2019

Safe City Update

Datacentric solutions within across
Police, Fire, and Emergency Management

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