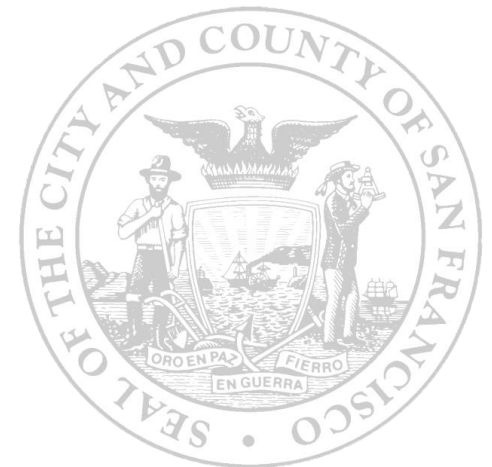


# Fleet Telematics

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City & County of San Francisco

April 21, 2016

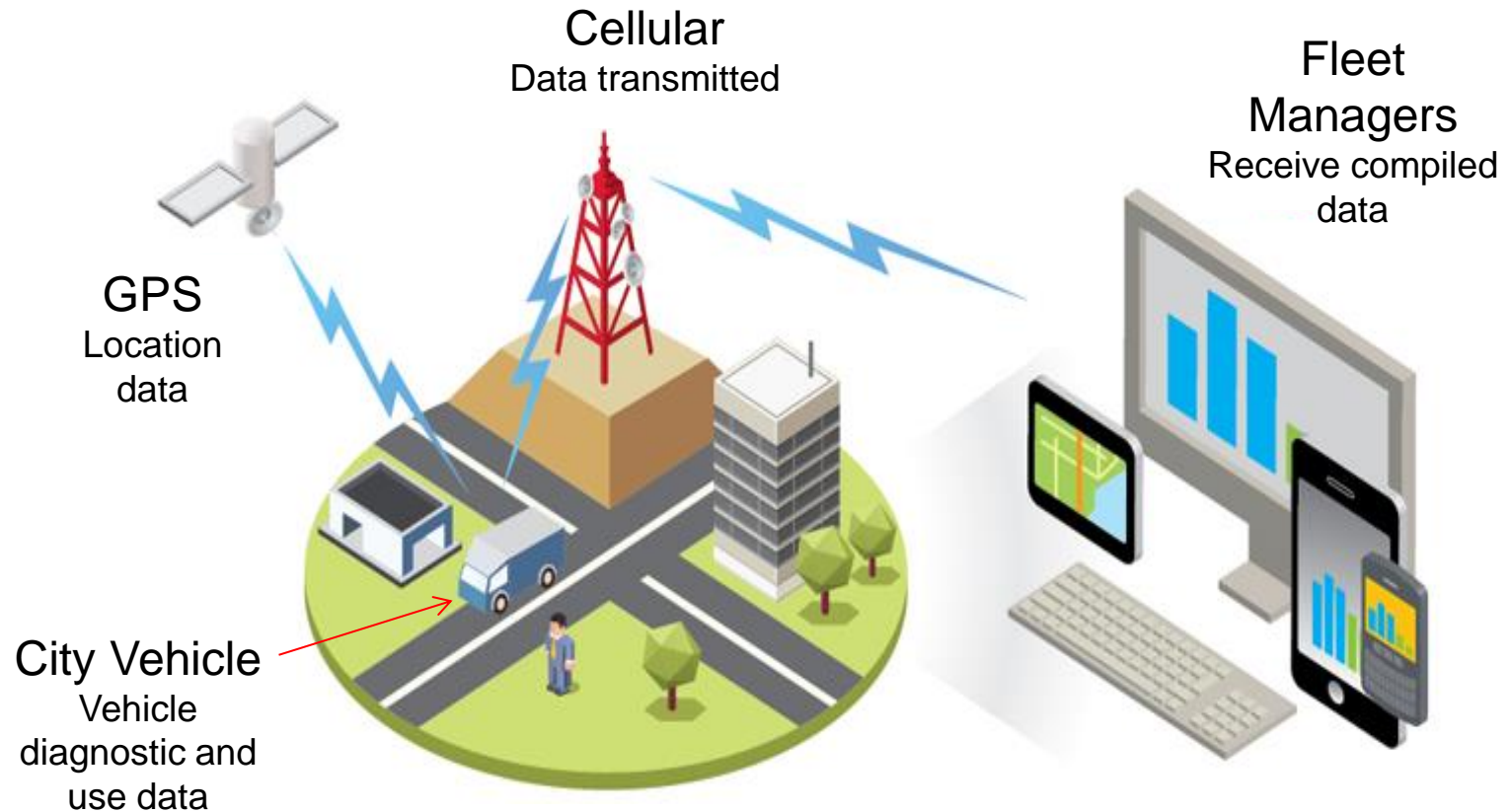


# Agenda

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- What is Telematics
- Program Implementation
- Data Indicators
- Opportunities
- Policies to consider

# How Telematics Works



# Implementation

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## □ Past Experience

- Telematics in Use since 2005
- Three Separate Suppliers
- Little Training
- Varying Degrees of Success

## □ Current Program

- 3,495 Vehicles are online
- \$1,147,713 spent in FY 15
- 15 Departments are participating

# Telematics Data Indicators

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## 1 Position

- Current Location
- Path of Travel
- Static Position Duration
- Geofencing

## 2 Utilization

- Trips
- Miles Driven
- Hours and Days Used
- Idling

## 3 Safety

- Speeding
  - Threshold
  - Speed Above Posted
- Hard braking
- Hard acceleration

## 4 Maintenance

- Diagnostics (trouble codes)
- Smog check

# Opportunities

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- Improve fleet utilization and efficiency
- Reduce costs
- Minimize risk
- Enhance Emergency Management & Response
- Working with HR and Unions to look into use of data for disciplinary action

# Regional Overview of Telematics

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- **Deployment**
  - 80.0% - Currently using telematics in their fleets
  - 28.6% - Use telematics in law enforcement vehicles
- **Human Resources**
  - 55% - Use data for disciplinary actions
  - 45% - Have written policies

\* Courtesy of Municipal Equipment Maintenance Association

# CCSF Administrative Structure

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## ❑ **Fleet Management**

- ❑ Fleet wide data collection
- ❑ Hardware installation
- ❑ Budget for General Fund departments
- ❑ Training
- ❑ Fleet wide reports

## ❑ **Departments**

- ❑ System administrator for data management
- ❑ Reporting and data-informed decision making



# Policies Under Consideration

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- ❑ All departments should participate in a telematics program
- ❑ Develop uniform citywide policies for data management.
- ❑ Develop definitions of :
  - ❑ Speeding
  - ❑ Patterns of unsafe driving
  - ❑ Underutilized vehicles
- ❑ Balance transparency with confidentiality and legitimate security concerns

# Questions

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