Palo Alto Fire Department

Fire & Technology Opportunities (EMS too)

TFRSAC

April 29, 2014
Some background
Why Palo Alto?
How does a local fire department meets the changing community needs?
More importantly, we need technology to prepare for future service needs.
## What is expected of a local fire department

<table>
<thead>
<tr>
<th>Fire Suppression (Structure &amp; Wildland)</th>
<th>Emergency Medical Services (EMS) / Paramedics</th>
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</thead>
<tbody>
<tr>
<td>Technical Rescue</td>
<td><strong>Ambulance Transportation</strong></td>
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<td>False alarms &amp; alarm system malfunctions</td>
<td>Domestic Preparedness &amp; Homeland Security</td>
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<td>Hazardous Materials Mitigation</td>
<td>Utilities Emergencies</td>
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<td>Public Education</td>
<td>Fire Investigation</td>
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<td>Fire Prevention</td>
<td>Public service calls</td>
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<td>Animal calls</td>
<td>Lockouts</td>
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<td>Assist Law Enforcement</td>
<td>Storm response (flood calls)</td>
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<td>Bike Licensing</td>
<td>Mutual Aid</td>
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<td>Disaster preparation &amp; response</td>
<td><strong>Community Risk Reduction</strong></td>
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Demographics of Risk

17% of the population
50% of EMS transports

US Fire Administration
Can we predict service needs?

Community Risk Reduction

EMS

Early detection of fire
Predictive Analytics Project

City data

- Assessed valuation
- Age of home
- Age of homeowner
- Any improvements
  (building / electrical permits)
- Energy usage*
- Fire & EMS call data
Where we’re going

Future excellence through innovation

• Responding before a call is needed (the Silver Tsunami is coming)
  • Community Paramedics
  • Community Risk Reduction
• Predictive analytic technology
• Peak call time staffing
• Different response vehicles
• Community AEDs
  • PulsePoint
Thank you

• Find us on facebook at

  Palo Alto Fire Department

• Twitter

  @PaloAltoFire

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