State of the District – Town Hall

June 19, 2018

Presented By:

Fire Chief Brian Helmick
Agenda

• Welcome & Introductions
• Who is ECCFPD
• State of the District
• Long Response Times –
  • Why is Response Time Important
  • Why is Response Time So Long
• Current District Actions
• Next Steps
• Question & Answer Session
House Keeping

• Info on District’s Website
  • Presentation, Handouts & FaceTime Live & Video Archived

• Handouts / Take Home Materials

• Question & Answer Session Process
Who ECCFPD Is & Who ECCFPD is Not

- **ECCFPD IS:**
  - Independent Special District

- **ECCFPD IS NOT:**
  - Part of Contra Costa County Fire
  - Serves but is not the City of Brentwood or Oakley
ECCFPD’s Governance

• Today- Appointed Board-9

• January 2019- Elected Board-5
ECCFPD’s Mission

OUR MISSION

• To preserve and protect life, environment and property, with service above all else.

• All Risk Fire & Rescue Department
Overview

- **Size Geographically**
  - 250 square miles

- **Population**
  - 115,000

- **Call volume**
  - 7530 incidents in 2017
  - 9000 units to mitigate
  - With 3 fully staffed stations
Communities Served

- Oakley
- Brentwood
- Bethel Island
- Knightsen
- Byron
- Discovery Bay
- Marsh Creek & Morgan Territory
East Contra Costa Fire Stations
Communities Served
$16.2 Million Revenue Detail

- 96% of Revenue is from Proposition 13 1% Property Tax
- District’s Share of the 1% is about 8%
- 2008 Housing Bubble Reduced Revenue about 40%

- 10 years later Expenses & Call Volume Increased
$14.5 Million Expenses Detail

- Station Costs are approximately $4.5 M per station
- Have 3 fully staffed stations
- FINANCIALLY SOUND FOR THE NEXT 10 YEARS
So – What Is The Problem

“Emergency Response Times are far below industry standards”

• Contra Costa County Municipal Service Review

• CityGate 2016 Staffing & Headquarters Study

Visit www.specialdistrict.org/about-the-district
2016 City Gate Findings

- District will need 9 stations to meet 4 minute travel time for urban area and 8 minute travel time for suburban and rural areas

- District currently has 3 permanently funded fire stations
Why is Response Time Important

- Prompt Response Saves Lives
- Prompt Response Save Property
Fire Service – What’s Important?

Speed of Response
or
Time & Distance

Weight of Response
or
Equipment & Personnel
Response Time Standards

Table 3—Deployment Recommendations (Table 48 from Volume 2)

<table>
<thead>
<tr>
<th>Response Time Component</th>
<th>Structure Fire Urban Areas</th>
<th>Structure Fire Suburban Areas</th>
<th>Rural Areas</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&gt;3,000 people/sq. mi.</td>
<td>500-3,000 people/sq. mi.</td>
<td>&lt;500 people/sq. mi.</td>
</tr>
<tr>
<td>1st Due Travel Time (min/seconds)</td>
<td>4:00</td>
<td>8:00</td>
<td>12:00</td>
</tr>
<tr>
<td>Total Response Time</td>
<td>7:30</td>
<td>11:30</td>
<td>15:30</td>
</tr>
<tr>
<td>1st Alarm Travel Time</td>
<td>8:00</td>
<td>12:00</td>
<td>16:00</td>
</tr>
<tr>
<td>1st Alarm Total Response</td>
<td>11:30</td>
<td>15:30</td>
<td>19:30</td>
</tr>
</tbody>
</table>
## District Response Times

<table>
<thead>
<tr>
<th>Service Area</th>
<th>Calls</th>
<th>90% Resp Time</th>
<th>Industry Standard 90%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brentwood West</td>
<td>2047</td>
<td>9:57</td>
<td>7:30</td>
</tr>
<tr>
<td>Brentwood East</td>
<td>1591</td>
<td>10:25</td>
<td>7:30</td>
</tr>
<tr>
<td>Discovery Bay / Byron</td>
<td>966</td>
<td>14:26</td>
<td>11:30</td>
</tr>
<tr>
<td>Oakley</td>
<td>2103</td>
<td>9:26</td>
<td>7:30</td>
</tr>
<tr>
<td>Knightsen</td>
<td>251</td>
<td>12:41</td>
<td>15:30</td>
</tr>
<tr>
<td>Bethel Island</td>
<td>371</td>
<td>18:07</td>
<td>15:30</td>
</tr>
<tr>
<td>Marsh Creek / Morgan Ter.</td>
<td>201</td>
<td>16:06</td>
<td>15:30</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>7530</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Traumas vs. Time

Corroborative evidence supporting the Golden Hour concept goes back further: 1918

Reproduced from original French World War I data

<table>
<thead>
<tr>
<th>Time from Injury to Treatment</th>
<th>% Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 hour</td>
<td>10%</td>
</tr>
<tr>
<td>2 hours</td>
<td>11%</td>
</tr>
<tr>
<td>3 hours</td>
<td>12%</td>
</tr>
<tr>
<td>4 hours</td>
<td>33%</td>
</tr>
<tr>
<td>5 hours</td>
<td>36%</td>
</tr>
<tr>
<td>6 hours</td>
<td>41%</td>
</tr>
<tr>
<td>8 hours</td>
<td>75%</td>
</tr>
<tr>
<td>10 hours</td>
<td>75%</td>
</tr>
</tbody>
</table>


There was a genuine appreciation of the time factor between wounding and adequate shock treatment. The mortality rate among patients who were treated within one hour was 10%. There was a significant increase in mortality over time; after eight hours it was 75%.

This data was subsequently used by Dr. R. Adams Cowley in his “Golden Hour” Concept.
Medicals & Stroke vs. Time

Door to treatment in \( \leq 60 \text{ min} \)

0 min
Suspected stroke patient arrives at ED

\( \leq 10 \text{ min} \)
Initiate MD evaluation, including patient history and time last known well/symptom onset
Initiate labwork
Assess using NIHSS

\( \leq 15 \text{ min} \)
Notify stroke team (including neurologic expertise)

\( \leq 25 \text{ min} \)
Initiate CT scan

\( \leq 45 \text{ min} \)
Interpret CT scan and labs
Review patient eligibility for Activase

\( \leq 60 \text{ min} \)
Give Activase bolus and initiate infusion in eligible patients
Fire Growth Is Exponential

**Figure 4**—Building Fire Progression Timeline

- **Smoke Alarm Activates:**
  - Products of combustion
  - Fire growth restricted by sprinklers.
- **Residential Sprinkler Activates:**
- **Commercial SprinklerActivates:**
- **Firefighters Open Hose Nozzles:**
  - No one survives flashover.

**Phases:**
- Detection of Fire
- Report of Fire
- Dispatch
- Response to Fire
- Setup

**Time Not Managed By Fire Department**
- **Time Directly Managed By Fire Department**
  - Fighting Fire
Five Engine Fire Response
(Weight)

1. Water Supply
2. First Attack
3. Ventilation
4. Exposure Line
5. Search & Rescue
Offensive vs. Defensive Operations
What Causes Long Response Times

• Too Much Area

• Too Few Stations

• Inadequate Funding

• Triage – Type of Call

ECCFPD goes
What ECCFPD Has Done

- Attempted a Parcel Tax
- Attempted Benefit Assessment
- Attempted Utility Tax (Brentwood & Oakley)
- Utilized Short Term Solutions (MOUs / Grants)
  - (Caused other Critical Issues)
- Explored Consolidation
  - No One Wants Us
- Investigating Reallocation
  - Legislatively Challenging
  - No Involved Agency Support
$16.2 Million Revenue Detail

- 96% of Revenue is from Property Tax
  - The Proposition 13 1%
  - District’s Share of the 1% is about 8%
TRA - Tax Rate Area 82007

1% Ad Valorem Tax $1,661

http://www.co.contra-cost ca.us/6581/Where-Your-Taxes-Go
### Proposition 13 – The 1%

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1% COUNTYWIDE TAX</td>
<td>1.0000</td>
<td>$1,661.33</td>
</tr>
<tr>
<td>BART</td>
<td>0.0063</td>
<td>$10.46</td>
</tr>
<tr>
<td>BART BOND 2016</td>
<td>0.0021</td>
<td>$3.49</td>
</tr>
<tr>
<td>EAST BAY REG PK BD</td>
<td>0.0021</td>
<td>$3.49</td>
</tr>
<tr>
<td>LIBERTY HI BD 2001</td>
<td>0.0117</td>
<td>$19.44</td>
</tr>
<tr>
<td>LIBERTY BOND 94</td>
<td>0.0082</td>
<td>$13.62</td>
</tr>
<tr>
<td>LIBERTY HIGH BD 16</td>
<td>0.0251</td>
<td>$41.70</td>
</tr>
<tr>
<td>OAKLEY ELEM BD 98</td>
<td>0.0137</td>
<td>$22.76</td>
</tr>
<tr>
<td>OAKLEY ELEM BD2004</td>
<td>0.0267</td>
<td>$44.36</td>
</tr>
<tr>
<td>OAKLEY ELEM BND 16</td>
<td>0.0289</td>
<td>$48.01</td>
</tr>
<tr>
<td>COMM COLL 2002 BND</td>
<td>0.0032</td>
<td>$5.32</td>
</tr>
<tr>
<td>COMM COLL 2006 BND</td>
<td>0.0068</td>
<td>$11.29</td>
</tr>
<tr>
<td>COMM COLL 2014 BND</td>
<td>0.0014</td>
<td>$2.33</td>
</tr>
</tbody>
</table>

**TOTAL AD VALOREM TAXES**  
1.1362 $1,887.60

**ADD:**  
SPECIAL TAXES & ASSESSMENTS $873.20
DELINQUENT PENALTY $0.00
DELINQUENT COST $0.00

**LESS:**  
PAYMENTS RECEIVED $2,760.80

**TOTAL AMOUNT DUE**  
($0.00)

[http://www.co.contra-cost.ca.us/6581/Where-Your-Taxes-Go](http://www.co.contra-cost.ca.us/6581/Where-Your-Taxes-Go)
TRA – Property Tax Allocation BI

Property Tax Allocation Bethel Island (82007)

- SCHOOL TOTAL: 44.59%
- BAY AREA AIR MGMNT: 0.18%
- BART: 0.60%
- BETHEL IS MUNI IMP: 15.83%
- BYRN B K U CEMETARY: 0.38%
- CO CO MOSQUITO ABA: 1.48%
- CC RES CONSV: 0.02%
- EAST CO CO FIRE: 18.45%
- CO WATER AGENCY: 0.03%
- SERV AREA P-6: 1.21%
- C C FLOOD CONTROL: 0.17%
- CO SERV AREA L-100: 1.70%
- COUNTY LIBRARY: 1.43%
- COUNTY GENERAL: 13.92%

http://www.co.contra-cost.ca.us/6581/Where-Your-Taxes-Go
Proposition 13 Tax Revenue
Bethel Island

- $166,000 – Tax Bill Value
- $1660 – 1% Tax
- $306 – Fire District’s 18%
- $520,000 – Market Value

http://www.co.contra-cost.ca.us/6581/Where-Your-Taxes-Go
The 18% is Not the Whole Story
Bethel Island Tax Revenue

• $453,000,000 – Tax Bill Value for Bethel Island
• $4,530,000 - Ad Valorem 1% Tax
• $837,000 – Fire District’s Revenue

• A Station Costs ~$4.5 M per Year to Operate

http://www.co.contra-costa.ca.us/6581/Where-Your-Taxes-Go
TRA – Property Tax Allocation
Discovery Bay

http://www.co.contra-costca.ca.us/6581/Where-Your-Taxes-Go
## Tax Revenue By Location

**FY17/18**

<table>
<thead>
<tr>
<th>Location</th>
<th>TRA %*</th>
<th>Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brentwood</td>
<td>6.48%</td>
<td>$5,970,000</td>
</tr>
<tr>
<td>Oakley</td>
<td>5.05%</td>
<td>$2,007,000</td>
</tr>
<tr>
<td>Discovery Bay/ Byron</td>
<td>8.39%</td>
<td>$2,667,000</td>
</tr>
<tr>
<td>Bethel Island</td>
<td>18.45%</td>
<td>$837,000</td>
</tr>
<tr>
<td>Knightsen</td>
<td>6.02%</td>
<td>$332,000</td>
</tr>
</tbody>
</table>

**Total:** $11,813,000

* TRA’s vary within location, therefore, revenues are only approximate. Marsh Creek/ Morgan Territory and some unincorporated areas information are not included into this table.

[http://www.co.contra-cost.ca.us/6581/Where-Your-Taxes-Go](http://www.co.contra-cost.ca.us/6581/Where-Your-Taxes-Go)
400 ± TRA’s in District

• 8% ECCFPD’s Average of the 1%
• 14% Con Fire
• 15% San Ramone Valley Fire
• 21% Moraga-Orinda

• Station 4-6 (Tax or Assessment)
• Station 7-9 (Through Growth or other Means)

http://www.co.contra-cost.ca.us/6581/Where-Your-Taxes-Go
What ECCFPD is Doing Now

- Improving Transparency
- Living within our *Means*
  - *Sustainable Balanced 10 yr Budget*
  - *3 Station Service Model*
- Invest in Our Existing Infrastructure / Prepare for Growth
  - (Stations / Equipment)
- Exploring Legal, Fiscal & Legislative Options
  - Too Many Championed Solutions
    - Some not legal / feasible
    - White Papers – *(www.eccfpd.org)*
- Developing a Strategic Plan
Strategic Plan Next Steps

• Town Hall Meetings
  • June 27 & 28

• Community Survey
  • June 22-July 8

• Strategic Planning Session
  • Thursday, July 19 – 6:00 PM
Dear Resident,

ECCFPD is organizing four State of the District Town Halls to educate residents about our current service levels and hear feedback leading up to a Strategic Planning Session when we’ll discuss paths forward to increase service levels. We encourage residents to attend 1 of the 4 town halls in June AND the planning session on July 19, 2018.

Chief Helmick

State of the District Town Hall
Monday, June 18th 6-8pm
Scout Hall
3890 Ranch Lane, Bethel Island

State of the District Town Hall
Wednesday, June 27th 6-8pm
Brentwood City Council Chambers
150 City Park Way, Brentwood

State of the District Town Hall
Tuesday, June 19th 6-8pm
Discovery Bay Elementary School Gym
1700 Willow Lake Road, Discovery Bay

State of the District Town Hall
Thursday, June 28 6 - 8pm
Oakley City Council Chambers
3231 Main St, Oakley

Strategic Planning Session
Thursday, July 19th at 6pm
Knightsen School
1923 Delta Road, Knightsen

Everyone attend final session

For questions regarding the State of the District Town Hall meetings please call: 925-634-3400
Additional Information:

• Website
  • www.eccfpd.org

• Social Media
  • Facebook, Twitter, Instagram, YouTube, Next Door

• Board & Committee Meetings:
  • Board 1st Monday (Live Stream)*
  • Finance 2nd Monday*
    • *Subject to change check website for updates
Questions & Answers

Brian Helmick- Fire Chief

bhelmick@eccfpd.org

Cell: 925-584-8468

THANK YOU!