14th ANNUAL NEW PARTNERS FOR SMART GROWTH CONFERENCE

City of East Palo Alto

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Planning and Housing Manager
San Mateo County
City of East Palo Alto
San Mateo County
San Francisco Bay Area
CONTEXT
California
San Francisco Bay Area
HAZARD IDENTIFICATION

Hazard Mitigation Plan (ABAG + City)

FLOODING
(Fluvial & Tidal)

- Area potentially exposed to an approximate 16-inch sea level rise
- Area potentially exposed to an approximate 55-inch sea level rise

EARTHQUAKES

- Very High Liquefaction Risk
- Moderate Liquefaction Risk
RESILIENCY PLANNING

Science, Technology & Engineering

STATE and FEDERAL

1) FEMA - Sea level rise (SLR) & FIRM
2) USGS – Liquefaction
3) AB 32 & AB 375 = Statute

Local implementation

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1) Hazard Mitigation Plan
2) Housing and Community Risk Assessment
3) Pathways

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Y

1) General Plan
2) Annual Budget
3) Capital Projects
RESILIENCY PLANNING

Science, Technology & Engineering

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3) Pathways

1) General Plan
2) Annual Budget
3) Capital Projects

Strategic Growth Council, CALFIRE, Caltrains, MTC, ABAG

Leverage fiscal resources

General Fund

Leverage manpower

Partnerships
ASSET IDENTIFICATION

Natural Defenses (expand and strengthen)

225 acres of marsh

Low density housing

Aerial View of the City of East Palo & South Bay
ASSET IDENTIFICATION

Nongovernmental Organizations

Faith based (Houses of Worship)

American Red Cross

Partnerships

Community-based organizations
Identify Constraints

- Fiscal (capital projects costly)
- Land Use (incremental)
- Properties in private ownership
Identify Constraints

• Fiscal (capital projects costly)

Levee Reconstruction and Recertification
### SOLUTIONS: Capital Improvements

**TABLE 2 – Completed Emergency Preparedness Projects in the 2013/2014 Capital Improvement Program (CIP)**

<table>
<thead>
<tr>
<th>CIP Project</th>
<th>Description</th>
<th>Value</th>
<th>Emergency Plan reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>PK-03</td>
<td>Rail Spur Site Improvement Project</td>
<td>$79,000</td>
<td>(INFR-a-10) unused right of way</td>
</tr>
<tr>
<td>SD-01</td>
<td>Storm Drain Master Plan</td>
<td>$60,000</td>
<td>(INFR-d-6) maintenance activities</td>
</tr>
<tr>
<td>SP-03</td>
<td>Flood Damage Recovery</td>
<td>$1,500,000</td>
<td>Unprogrammed Emergency repairs</td>
</tr>
<tr>
<td>SP-06</td>
<td>New Benchmarks</td>
<td>$16,000</td>
<td>(INFR-d-6)</td>
</tr>
<tr>
<td>SP-089</td>
<td>Capital Impact Fee Study</td>
<td>$85,000</td>
<td>(INFR-d-6)</td>
</tr>
<tr>
<td>WD-03</td>
<td>Water Rate Study</td>
<td>$100,000</td>
<td>(INFR-c-1)</td>
</tr>
</tbody>
</table>

SOLUTIONS: GENERAL PLANNING

Strategies to retrofit of fragile housing in seismic hazard areas .............. 82
17. Develop and implement a soft story retrofit program .................................................. 86
18. Develop and implement a cripple wall retrofit program ........................................... 90
19. Require hazard disclosure for renters ..................................................................... 94
20. Ensure that major upgrades and repairs to existing buildings address seismic and flood-related hazards ..................................................................................... 98
21. Assign higher seismic importance factor to new large-scale residential buildings .... 101

ABAG Strategy List

Local Annex

Evacuation routes / Shelter in place options
Questions