

14th ANNUAL NEW PARTNERS FOR SMART GROWTH CONFERENCE

City of East Palo Alto



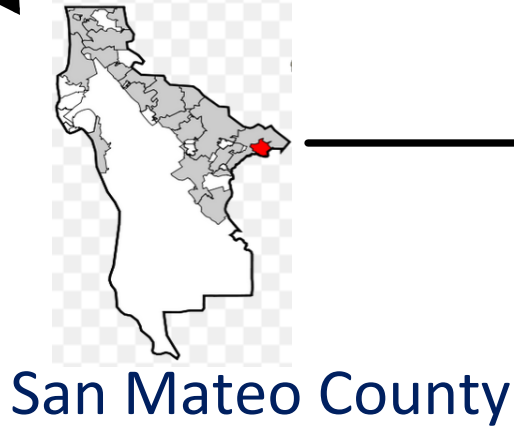
Brent A. Butler, AICP, CFM
Planning and Housing Manager

CONTEXT

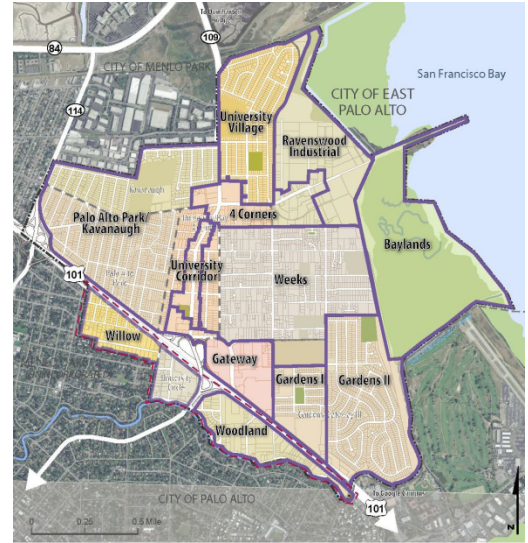
California



San Francisco Bay Area



San Mateo County



City of East Palo Alto

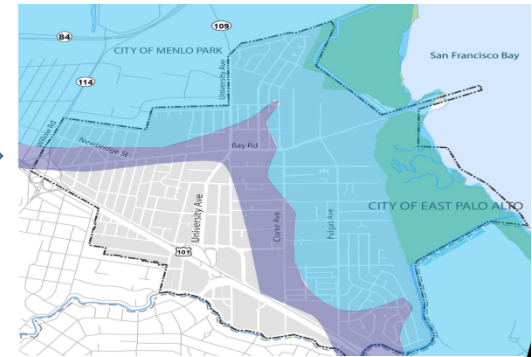
HAZARD IDENTIFICATION

Hazard Mitigation Plan (ABAG + City)

FLOODING



(Fluvial & Tidal)

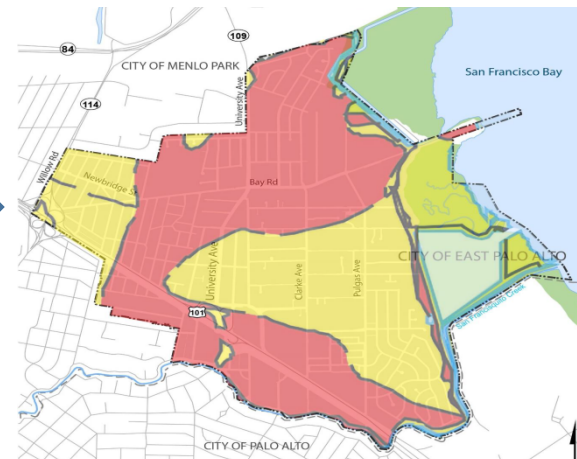
-  Area potentially exposed to an approximate 16-inch sea level rise
-  Area potentially exposed to an approximate 55-inch sea level rise



-  East Palo Alto City Limits
-  San Mateo County Boundary
-  Wetlands
-  SF Bay and Other Water Bodies

EARTHQUAKES

-  Very High Liquefaction Risk
-  Moderate Liquefaction Risk



-  East Palo Alto City Limits
-  San Mateo County Boundary
-  Wetlands
-  SF Bay and Other Water Bodies



RESILIENCY PLANNING



Science, Technology & Engineering

STATE
and
FEDERAL



A
B
A
G



C
I
T
Y



Local implementation



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

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

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




RESILIENCY PLANNING



Science, Technology & Engineering

STATE
and
FEDERAL



A
B
A
G



C
I
T
Y



Local implementation




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

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

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


**Strategic Growth Council,
CALFIRE, Caltrains,
MTC, ABAG**

Leverage fiscal
resources

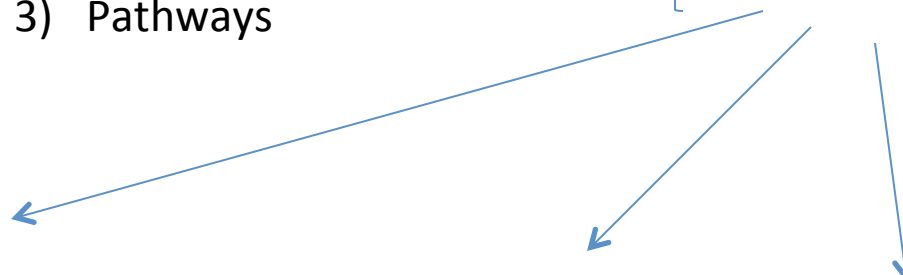


**General
Fund**

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



Community-based
organizations

Identify Constraints

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



Pump Repair Project

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)

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

Note: See Capital Improvement Program webpage, available at, <http://www.ci.east-palo-alto.ca.us/index.aspx?NID=490> (last accessed: September 16, 2014).

SOLUTIONS: GENERAL PLANNING

ABAG Strategy List



Strategies to retrofit of fragile housing in seismic hazard areas82

17. Develop and implement a soft story retrofit program86

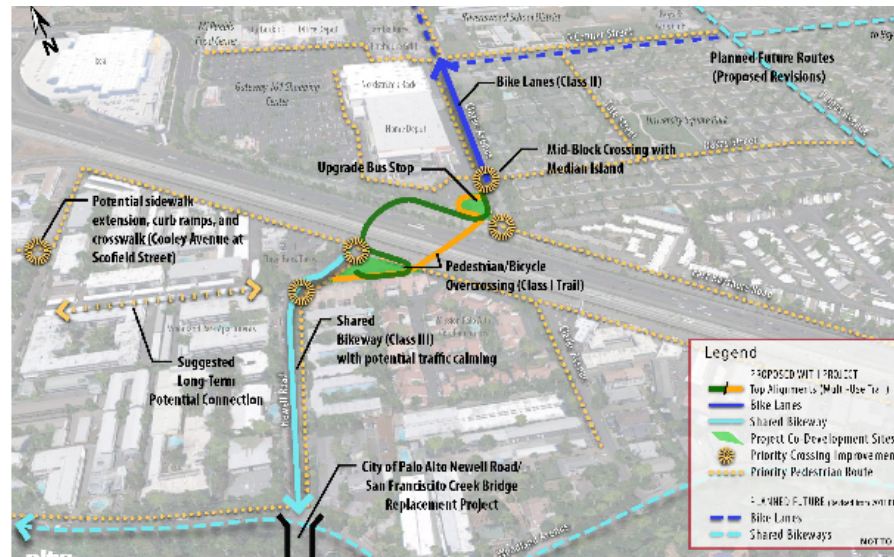
18. Develop and implement a cripple wall retrofit program90

19. Require hazard disclosure for renters94

20. Ensure that major upgrades and repairs to existing buildings address seismic and flood-related hazards98

21. Assign higher seismic importance factor to new large-scale residential buildings 101

Local Annex



Evacuation routes / Shelter in place options

Questions