

## A G E N D A

**REGIONAL PLANNING COMMITTEE**  
**METROCENTER Auditorium**  
**1:00-3:00 P.M. WEDNESDAY, April 1, 2009**

**Please Note: There will NOT be a pre-meeting workshop.**

*Committee may take action on any item on agenda*

1. **Call to Order**
2. **Public Comment**
3. **Approval of Regional Planning Committee Meeting Minutes – December 3, 2008**
4. **Oral Reports/Comments**
  - a. Committee Members
  - b. Staff
5. **BAY-FRIENDLY LANDSCAPING & GARDENING**

Gary Wolff, Executive Director of StopWaste.Org, Teresa Eade, Senior Program Manager, StopWaste.Org, and Michelle LeBeau of the Bay-Friendly Landscaping & Gardening Coalition will make a presentation and seek Committee support for the Bay-Friendly principles and initiatives.
6. **LONG TERM RECOVERY PLANNING – Forum on Public Education**

Jeanne Perkins, ABAG Earthquake and Hazards Preparedness Consultant will facilitate a discussion amongst several specialist in Disaster Recovery as it relates to Public Education.

**ADJOURN**

**Next meeting: Wednesday, June 3, 2009**

***BAY-FRIENDLY LANDSCAPING & GARDENING***



***7 PRINCIPLES CHARTER***

**WHEREAS**, public agencies set forth goals for preserving and improving the natural and built environment, protecting the health of residents and visitors, and conserving natural resources; and

**WHEREAS**, a sustainable landscape can have a significant positive effect on energy, water and resource efficiency, waste and pollution generation, wildlife habitat, and the human health over the life of the landscape; and

**WHEREAS**, Bay-Friendly landscape design, construction, operation, and maintenance contributes to a reduction in greenhouse gas emissions, improves air quality and enhances quality of life; and

**WHEREAS**, California’s water supply is limited and under increasing pressure, and Bay-Friendly landscaping and gardening conserves water; and

**WHEREAS**, Bay-Friendly landscape and gardening practices support and enhance green building practices by extending them beyond the building and into the landscape, and recognizing that landscapes are a vital part of our built environment; and

**WHEREAS**, in recent years, sustainable landscape design, construction, and operational techniques have become increasingly widespread in the Bay Area and California, with many homeowners, commercial property owners and landscape professionals voluntarily seeking to incorporate sustainable landscaping techniques into their projects; and

**WHEREAS**, it is critical to both the economic and environmental health of the greater Bay Area that local officials provide leadership in the area of sustainable landscaping;

**NOW THEREFORE**, be it resolved this [enter date] at [enter Agency name and location] the [enter title of official body – board, council, etc...] are Charter Signatories to the 7 Principles of Bay-Friendly Landscaping & Gardening as a model approach to sustainable landscaping:

\_\_\_\_\_  
**(name and title)**



## 7 PRINCIPLES OF BAY FRIENDLY LANDSCAPING & GARDENING

- 1) ***Landscape Locally;*** recognizes that built landscapes are a part of the larger ecosystem of the San Francisco Bay watershed and that they can contribute to it's health if designed and maintained using sustainable practices.
- 2) ***Landscape for Less to the Landfill;*** means that we should reduce waste by choosing the right plants, using recycled and salvaged products in the landscape and by composting, mulching and grasscycling plant debris.
- 3) ***Nurture the Soil;*** soils are living ecosystems and when landscape practices allow the soil food web to thrive it can filter pollution, store water, provide plant nutrients, and help plants resist pests naturally.
- 4) ***Conserve Water;*** means using a holistic approach of creating drought resistant soils with compost and mulch, selecting plants naturally adapted to summer-dry climates, using stormwater, graywater and recycled water in the landscape as much as possible and using efficient irrigation systems that include self adjusting, weather-based controllers.
- 5) ***Conserve Energy;*** by reducing the need for mowing and shearing, by shading buildings and paved areas, using efficient outdoor lighting, and buying local landscape products.
- 6) ***Protect Water & Air Quality;*** through maximizing impervious surfaces and minimizing stormwater runoff, using integrated pest management, minimizing the use of synthetic pesticides and avoiding overuse of fertilizers, reducing fossil fuel consumption, and planting trees to remove CO2 and absorb air pollutants.
- 7) ***Create Wildlife Habitat;*** recognizes that biodiversity is crucial to the health of natural ecosystems and that by using native plants and increasing the diversity of plant palettes, our built landscape can provide food, water, shelter for birds, butterflies, and other beneficial insects and animals.



## **Bay-Friendly Landscaping & Gardening**

### **Alameda County Jurisdictions with Policies Adopted / In Process**

#### **Jurisdictions in Alameda County that have Adopted Policies for Mandatory Civic Bay-Friendly Rated Landscapes**

Alameda County  
City of Albany  
Castro Valley Sanitary District  
City of Emeryville  
City of Hayward  
City of Newark  
Oro Loma Sanitary District  
City of Pleasanton  
Union City

#### **Jurisdictions in Alameda County that have Adopted Policies for Voluntary Private Sector Bay-Friendly Rated Landscapes**

City of Albany  
City of Hayward  
City of Oakland  
City of San Leandro  
Union City

#### **Jurisdictions in Alameda County that are in the Process of Adopting a Policy for Mandatory Civic Bay-Friendly Rated Landscapes**

City of Alameda  
City of Berkeley  
City of Fremont  
City of Livermore  
City of Oakland  
City of Piedmont  
City of San Leandro

*Attachment 2*

**BAY-FRIENDLY LANDSCAPING & GARDENING  
COALITION**

**7 PRINCIPLES DECLARATION SIGNERS**



	<b>AGENCY</b>	<b>REGION</b>	<b>SIGNATORY</b>	<b>DATE SIGNED</b>
1	California Invasive Plant Council	Statewide	Doug Johnson, Executive Director	January 8, 2008
2	Alameda County Source Reduction and Recycling Board	Alameda County	Jean Quan, Chair	January 15, 2008
3	Alameda Countywide Clean Water Program	Alameda County	Kathy Cote, Chair	December 11, 2007
4	Alameda County Waste Management Authority	Alameda County	Dennis Waspi, President	January 15, 2008
5	American Society of Landscape Architects, Northern California Chapter	Northern California	Ive Haugeland, President	December 10, 2007
6	East Bay Municipal Utility District	East Bay	Dennis Diemer, General Manager	February 26, 2008
7	Ecology Center	Berkeley	Martin Bourque, Executive Director	January 11, 2008
8	City of El Cerrito	El Cerrito	William Jones III, Mayor	February 19, 2008
9	City of Palo Alto	Palo Alto	Emily Harrison, Assistant City Manager	January 22, 2008
10	City of San Pablo	San Pablo	Sharon Brown, Mayor	January 22, 2008
11	LifeGarden	Walnut Creek	Judith Adler, Board President	January 12, 2008
12	Marin Municipal Water District	Marin County	Larry Russell, Board President	January 16, 2008
13	North Marin Water District	North Marin County	Rick Fraites, Board President	December 18, 2007
14	Mauby All Natural	Santa Clara County	Brian Debasitis, Founder	February 15, 2008
15	City and County of San Francisco, Department of the Environment	San Francisco County	Jared Blumenfeld, Director	January 8, 2008
16	San Francisco Public Utilities Commission	San Francisco County	Anthony Irons, Deputy General Manager	February 29, 2008
17	San Francisco Estuary Project	Bay Area	Thomas Mumley, Chair	February 1, 2008
18	Sustainable Conservation	Statewide	Ashley Boren, Executive Director	February 13, 2008
19	The Watershed Project	Bay Area	Briggs Nisbet, Board Chair	February 25, 2008
20	University of California Agriculture and Natural Resources Department	Statewide	Richard Standiford, Associate Vice President	January 30, 2008
21	University of California Cooperative Extension Urban Horticulture Dept.	Contra Costa County	Bethallyn Black, Program Manager	January 22, 2008
22	Zone 7 Alameda County Flood Control and Water Conservation District	Alameda County	Dick Quigley, Board Vice President	February 20, 2008
23	City of San Jose	Santa Clara County	John Stufflebean, Director, Environmental Sciences	January 28, 2008

## Regional Planning Committee Summary Minutes

Joseph P. Bort MetroCenter – Auditorium

101 8<sup>th</sup> Street, Oakland, California

February 4, 2009

### **Members Present:**

Susan Adams, Supervisor County of Marin  
Shiloh Ballard, Silicon Valley Leadership Group  
Andy Barnes, Policy Chair, Urban Land Institute  
Patty Boyle, Bay Area League of Women Voters  
Diane Dillon, Supervisor, Napa County  
Dan Furtado, Councilmember, City of Campbell  
Rose Jacobs Gibson, Supervisor, County of San Mateo/ABAG President  
Federal Glover, Supervisor, County of Contra Costa  
Mark Green, Mayor, City of Union City/Chair of RPC/ABAG Vice President  
Scott Haggerty, Supervisor, County of Alameda  
John Holtzclaw, Sierra Club  
Jennifer Hosterman, Mayor, City of Pleasanton  
Janet Kennedy, Councilmember, City of Martinez  
Nate Miley, Supervisor, County of Alameda  
Mike Moore, BAPDA  
Nancy Nadel, Councilmember, City of Oakland  
Julie Pierce, Vice Mayor, City of Clayton  
A. Sepi Richardson, Mayor, City of Brisbane  
Mark Ross, Councilmember, City of Martinez  
Pixie Hayward Schickele, California Teachers Association  
Carol Severin, EBRPD Board of Directors  
Beth Walukas, Alameda County Congestion Management Agency

### **Members Absent:**

Valerie Brown, Supervisor, County of Sonoma  
Jose Cisneros, Treasurer, City and County of San Francisco  
Dave Cortese, Vice Mayor, City of San Jose, ABAG Immediate Past President  
Bill Dodd, Supervisor, Napa County  
Pat Eklund, Mayor, City of Novato  
Juliet Ellis, Urban Habitat Program  
Kasie Hildenbrand, Councilmember, City of Dublin  
Lesa McIntosh, Board Member, EBMUD  
Andrew Michael, Bay Area Council  
Joseph Perkins, HBANC  
Harry Price, Mayor, City of Fairfield  
Dianne Spaulding, Nonprofit Housing of Northern California  
Jim Spering, Supervisor, Solano County

## Regional Planning Committee Summary Minutes

### **ABAG Staff Present:**

Kenneth Kirkey, ABAG Planning Director  
Paul Fassinger, ABAG Research Director  
Ted Droettboom, Staff Director, Joint Policy Committee  
Christy Riviere, Principal Planner  
Dayle Farina, Administrative Assistant

### **1. Call to Order/Introductions**

- Chairperson Green called the meeting to order at 1:13 PM.

### **2. Public Comment**

### **3. Approval of Minutes for December 3, 2008 Meeting.**

It was moved by Committee Member Haggerty and Seconded by Committee Holtclaw that the minutes be approved.

Minutes of December 3, 2008 were approved as read.

Note: Carol Severin phoned after the meeting to state that the minutes do not reflect her attendance at the October meeting, but, that she did attend.

### **4. Oral Reports/Comments**

#### **A. Committee Members**

#### **B. Staff**

1. Ken Kirkey, ABAG Planning Director, announced the following events:
  - **Recovery Planning Workshops** will resume to cover Public Health (beyond hospitals); Education; Land Use Changes. Dates are forthcoming.
  - **FOCUS Forum Series** is continuing. Forums are held at the Port of San Francisco, next to the Ferry Building. Coming Events: Next week – Childcare in Our Communities; In April – Cities and Schools in Urban Areas; In July Health in Urban Areas.
  - **Best Practices Conference Series.** Next conference is FOCUS on Community Engagement. This is being held in the South Bay on Friday March 6.

### **5. Projections 2009 – Performance of Land Use Alternatives - Information**

Paul Fassinger, ABAG Research Director and Christy Riviere, ABAG Principal Planner presented information and sought input on two development scenarios and related policy considerations in advance of adoption of Projections 2009.

## Regional Planning Committee Summary Minutes

Chair Green expressed concern about the employment projections.

Mr. Fassinger provided an overview of the process that was utilized to gather information from local jurisdictions.

Committee Member Ballard commented on forecast growth and projected build out in the cities.

Mr. Fassinger explained that there are trade offs, specifically that in San Francisco forecasted growth is related almost entirely to redevelopment not new greenfield development.

Committee Member Adams commented that the population numbers for Marin County did not appear to be accurate.

Mr. Fassinger explained that these numbers came from sphere of influence numbers not the current city jurisdictional boundaries and responded that the numbers will be checked for accuracy.

Committee Member Holtzclaw expanded on Ms. Ballard's comment on build out, stating that in the 70s San Francisco was built out to capacity. Since then 50,000 more households have been added.

Committee Member Haggerty questioned staff regarding how growth measures were considered.

Mr. Fassinger stated that plans and policies that impact development capacity, however enacted, were considered in the forecast.

### **6. SB375 – Draft Policies for the Bay Area's Implementation of Senate Bill 375**

Ted Droettboom, Regional Planning Program Director, Joint Policy Committee (JPC) presented information and sought input on the DRAFT policy recommendations developed by regional agency staff pertaining to the implementation of SB375 in the Bay Area in advance of the JPC's consideration of the recommendations.

#### Targets

Chair Green asked when and how the regional agencies would be able to get involved in the regional targets development process.

Mr. Droettboom described the state-level Regional Targets Advisory Committee (RTAC) and the role of the RTAC in developing targets for the state's regions, including the Bay Area.

#### Models

## Regional Planning Committee Summary Minutes

Committee Member Adams asked about the role of models in the development of SB375 plans.

Mr. Droettboom described the efforts of ABAG and MTC to improve the agencies' modeling capacity and synchronization.

Committee Member Pierce expressed concern regarding the level of confidence in the regional agencies models on the part of constituents. Ms. Pierce expressed interest in getting the models prepared in more "plain english" terms.

Committee Member Walukas commented about concern on the part of local jurisdictions and CMAs regarding making sure that modeling assumptions at the county and local level are consistent with regional agency modeling work. Ms. Walukas recommended that MTC's Model Formation Working Group be re-established with monthly meetings.

Mr. Kirkey responded that regional staff recognizes that the CMAs are a critical component of an inclusive process for SB385 and that the input of the CMAs on a number of fronts was critical.

### Sustainable Community Strategy (SCS)

Committee Member Miley asked Mr. Droettboom to identify the stakeholders that are envisioned.

Mr. Droettboom stated to be successful the development of SB375 would have to be very inclusive and cut across a broad range of sectors including local elected officials, CMAs and environmental, economic and equity interests.

Committee Member Walukas suggested that the process be defined.

Committee Member Moore mentioned that the Bay Area Planning Directors Association (BAPDA) will be discussing SB375 at their General Meeting on April 3.

Committee Member Nadel expressed concern over whether this issue is being presented properly to the constituents.

Committee Member Ballard asked for a simple definition of an SCS and how it will be developed.

Mr. Droettboom replied, "An SCS is a comprehensive land use and transportation plan developed broadly across the entire bay area community."

### RHNA / RTP / SCS

## Regional Planning Committee Summary Minutes

Committee Member Kennedy asked if we will be able to address the Foreclosure Issue in the next RHNA process.

Mr. Kirkey responded that this will be part of the discussion. Ms. Riviere added that when the state determines its regional need it looks at existing units as well as vacancy rate.

Committee Member Pierce commented that the methodology for the current RHNA cycle does not appear to be that different, than what would be appropriate under SB375, and asked if she is on the right track.

Ms. Riviere stated that the current RHNA allocation is based upon a smart growth methodology that directs allocations toward infill area served by transit, an approach that is in keeping with the purpose of SN375 to reduce Vehicle Miles Traveled (VMT). She further explained that the current allocation is based upon Projections 2007 and that there needs to be a level of consistency within the SCS with the next RHNA cycle and related forecast.

Committee Member Adams inquired about the relationship between the SCS and the RHNA.

Mr. Droettboom replied that the RHNA is a key component of the SCS.

### CEQA Relief

Committee Member Adams also commented that we need to be proactive and involved on determining CEQA relief and expressed some concern regarding any approach that would weaken environmental regulations.

Mr. Droettboom explained that the approach to CEQA like other aspects of SB375 had yet to begin, but would commence soon and would involve local jurisdictions.

Chair Green noted that the RPC would be involved going forward in SB375 as the process evolves.

### **ADJOURN:**

Chair Green adjourned the meeting at 3:10 p.m. The next meeting is on April 1, 2009.

Submitted by:

Dayle Farina

Administrative Assistant

## MEMO

**Submitted by: Ken Kirkey, ABAG Planning Director and  
Jeanne Perkins, ABAG Earthquake and Hazards Program Consultant**

**To: Regional Planning Committee (RPC)**

**Subject: Forum on Schools and Long-Term Disaster Recovery**

**Date: April 1, 2009**

### **Executive Summary**

During late 2007 and 2008, ABAG prepared several issue papers related to identifying issues that slow long-term recovery after major disasters, including financing, housing recovery, business recovery, and recovery of government facilities and services. The papers were developed to assist with preparing the Regional Planning Committee to serve as the Regional Recovery Task Force for the Bay Area and to provide the basis for further research and program development pertaining to Recovery Planning. These issue papers and discussions identified some “best practices” for local governments, as well as potential activities of ABAG for regional coordination.

In the summer and fall of 2008, ABAG conducted a survey of local governments to determine their relative preparedness for long-term disaster recovery and determined that these workshops are useful.

In 2009 the RPC will have additional workshops to discuss key recovery planning issues:

- Lifelines (the topic at the December 2008 RPC)
- **Schools (the topic of this RPC meeting)**
- Public Health (potential future topic)
- Land Use Change (potential future topic)
- Government Management Issues (future topic)

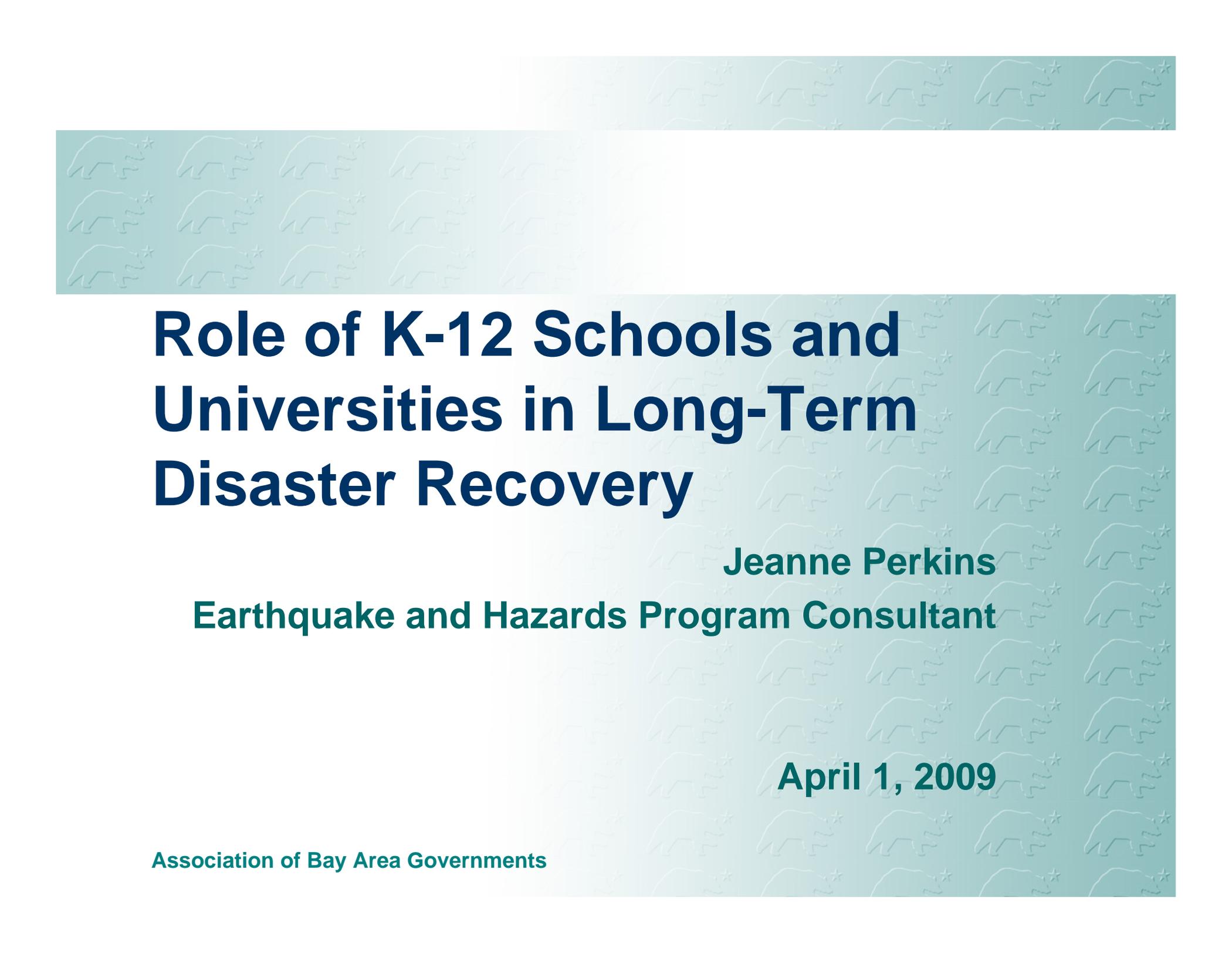
### **Recommended Action**

RPC members are encouraged to participate in the discussion at the RPC meeting. Recommendations and input relative to the role of schools in a regional recovery plan is needed.

### **Next Steps**

Issues of public health, land use change, and government management will be discussed at future RPC meetings. The Association of Bay Area Governments is developing pilot disaster recovery plans with the cities of Oakland and San Jose that will serve as a basis for expanding recovery planning in the region. In summer 2009 ABAG staff will be available to present the findings of the Regional Recovery Planning Best Practices Report developed in 2008 to local jurisdictions. Finally, ABAG staff is working with economic development and other regional stakeholder groups to develop a larger, more comprehensive recovery planning program for the Bay Area. Staff will present a Staff Report on these efforts to the RPC in August 2009.

**Attachment** – Information for April 1, 2009 Workshop Forum on Schools and Long-Term Disaster Recovery



# **Role of K-12 Schools and Universities in Long-Term Disaster Recovery**

**Jeanne Perkins**

**Earthquake and Hazards Program Consultant**

**April 1, 2009**

**Association of Bay Area Governments**

# BACKGROUND

- **RPC Workshops held to date include the issues of:**
  - **Financing Disaster Recovery**
  - **Long-Term Recovery of Housing**
  - **Long-Term Recovery of Businesses and the Economy**
  - **Recovery of Government Facilities and Services**
  - **Recovery of Transportation and Critical Lifeline Infrastructure**
- **Today's Issue: K-12 Schools and Universities**

# BACKGROUND

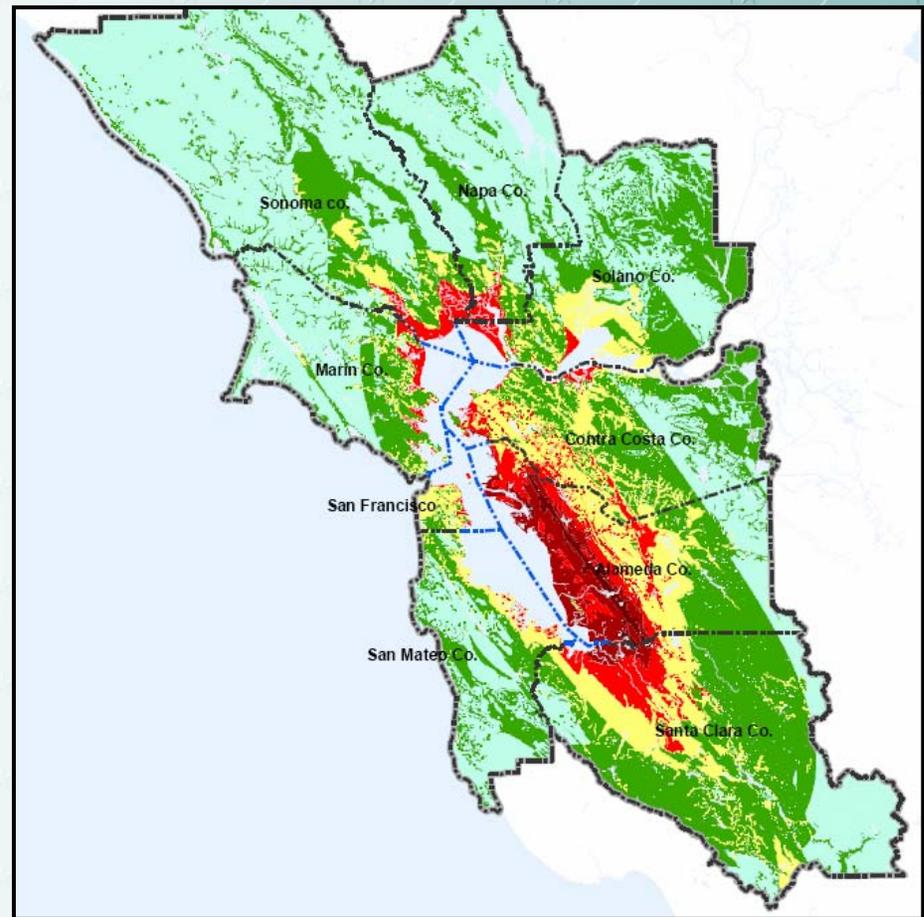
**Mission of Schools  
Pre-Disaster =  
Education**

**Mission of Schools  
Post-Disaster  
Changes**

- (1) K-12 schools are critical to sheltering those displaced from their homes.
- (2) K-12 schools become conduits for information to parents and others in the community.
- (3) Schools could become distribution points for food and water.
- (4) K-12 schools are day-care providers for parents with school-age children.
- (5) Children and teens need the stability that school and sports provide.
- (6) K-12 schools and colleges/universities are a major employer and driver of the Bay Area economy.

# What Happens - M 6.7 on Southern Hayward Fault

- **93,000** uninhabitable housing units
- (300,000 – Katrina)
- **220,000** people displaced
- (1,700,000 – Katrina)
- **70,000** people in shelters



A photograph of a crowded shelter. People are sitting on the floor, some on mats and some on the floor itself. The room is filled with people, and the atmosphere appears to be one of a temporary, crowded living space. The text is overlaid on the image.

**The Nightmare Goes On  
and On...**

**SHELTERING**

**Peak - 70,000 people on day 7  
25,000 in shelters on day 90**

# PURPOSE OF WORKSHOP

- **Local elected officials, school personnel, the American Red Cross, and various state agencies need to work together to ensure that we speed up the long-term recovery process so that schools can return to their mission of education and serving our communities.**

# Speakers

- **American Red Cross – Bay Area – Harold Brooks, CEO**
- **Alameda Co. Office of Education – Alicia Masri, Facilities & Operations**
- **University of California, Berkeley – Sarah Nathe, Chancellor's Office**





**Submitted by:** Ceil Scandone, Senior Regional Planner

**Subject:** Bay-Friendly Landscaping & Gardening

**Date:** March 23, 2009

## **Executive Summary**

Bay Area cities, counties and regional agencies are developing and implementing climate action plans. Drought conditions remind us that our water supply is under increasing pressure. Urban runoff pollutes our creeks, rivers and water bodies, and strains the capacity of flood control systems. Landfill capacity and the energy to transport discarded resources to landfills are limited. ***Bay-Friendly Landscaping & Gardening*** provides guidance and tools public agencies can use to address these issues. Developed by Alameda County's StopWaste.Org, ***Bay-Friendly Landscaping & Gardening*** is a whole systems approach to the design, construction, and maintenance of landscapes that contributes to the health of the San Francisco Bay watershed. This methodology extends green building principles to the area outside the building, as well as to greenbelts and parks. The Bay-Friendly Landscaping & Gardening Coalition is an alliance of public agencies, utilities, non-profits, landscape professionals, and businesses established to promote the Bay-Friendly standards and provide a complete package of educational and outreach tools. StopWaste.Org and the Coalition will make a presentation about and seek support for ***Bay-Friendly Landscaping & Gardening*** initiatives.

## **Recommended Action**

- Endorse the Bay-Friendly Landscaping & Gardening 7 Principles Charter.
- Encourage ABAG staff to identify opportunities to incorporate Bay-Friendly criteria in relevant programs, such as the Green Business Program, the San Francisco Estuary Project , EcoWise Certified and FOCUS.
- Encourage StopWaste.Org and the Coalition to continue development of a verification program for the design and construction of new landscapes in the Bay Area.
- Direct staff to schedule a presentation to the Executive Board to seek its endorsement of these recommendations.

## **Next Steps**

- Schedule a presentation to the Executive Board.
- Incorporate Bay-Friendly criteria in relevant ABAG programs.

## **Attachments**

1. Declaration of Support of the 7 Principles of Bay-Friendly Landscaping
2. Signers of the Declaration of Support.
3. Cities in Alameda County that have adopted and are developing policies that require Bay-Friendly Rated Landscapes for new civic landscape projects.

## MEMO

Date: April 1, 2009  
To: Regional Planning Committee  
From: Ceil Scandone, Senior Regional Planner  
Subject: Bay-Friendly Landscaping & Gardening

### **Executive Summary**

Bay Area cities, counties and regional agencies are developing and implementing climate action plans in order to address our most significant environmental challenges. Current drought conditions remind us that California's water supply is under increasing pressure. Water quality is in peril, with urban runoff polluting our creeks, streams, rivers and water bodies, and straining the capacity of our flood control systems. Landfill capacity and the energy used in transporting discarded resources to landfills are limited. The ***Bay-Friendly Landscaping & Gardening Program*** provides guidance and tools public agencies can use to address these critical issues.

Developed by Alameda County's StopWaste.Org, Bay-Friendly Landscaping & Gardening is a whole systems approach to the design, construction, and maintenance of landscapes that contributes to the health of the San Francisco Bay watershed. This methodology is an integral component of green building programs, extending green building principles to the area outside the building, as well as to greenbelts and parks.

The Bay-Friendly Landscaping & Gardening Coalition (Coalition) is an alliance of stakeholders representing public agencies, utilities, non-profits, landscape professionals and associations and businesses from around the San Francisco Bay Area. The Coalition promotes the Bay-Friendly standards and provides a complete package of educational and outreach tools. The Coalition has developed and is asking stakeholders to sign a ***7 Principles Charter*** to demonstrate their support of Bay-Friendly Landscaping & Gardening as a model approach to sustainable landscaping.

StopWaste.Org and the Coalition will make a presentation to the Regional Planning Committee and seek support for their initiatives. StopWaste.Org, and the Bay-Friendly Landscaping & Gardening Coalition are requesting that the Regional Planning Committee:

- endorse the Bay-Friendly Landscaping & Gardening 7 Principles Charter.
- encourage ABAG staff to identify opportunities to incorporate Bay-Friendly criteria in relevant programs, such as the Bay Area Green Business Program, the San Francisco Estuary Project, EcoWise Certified and FOCUS.
- encourage StopWaste.Org and the Coalition to continue development of a verification program for the design and construction of new landscapes in the Bay Area.
- direct staff to schedule a presentation to the Executive Board and seek its endorsement of these recommendations.

# Bay-Friendly Landscaping and Gardening

## Introduction

Like conventional building techniques, conventional landscaping practices can contribute to environmental degradation. Conventional landscaping often features large lawns, non-native plants, and extensive irrigation and depends on the heavy use of fertilizers and pesticides. It also tends to be maintenance-intensive requiring a great deal of watering, mowing, blowing, trimming, and removal of plant debris that can end up in landfills. By contrast, sustainable landscaping practices seek to conserve natural resources, reduce waste, minimize maintenance, chemical & water use, prevent pollution & stormwater runoff and build soil health.

While there are several comprehensive green building standards such as LEED (Leadership in Energy and Environmental Design) by the U.S. Green Building Council and Green Point Rated Homes by Build It Green, Bay-Friendly Landscaping and Gardening is one of the first comprehensive sustainable landscape standards in the country. There are many standards for landscaping that address single issues such as stormwater pollution prevention or water efficiency but few that provide a holistic approach.

Bay-Friendly Landscaping and Gardening was initiated in 2001 by StopWaste.Org, the joint powers agency legally known as the Alameda County Waste Management Authority (Authority) and the Alameda County Source Reduction and Recycling Board (Board), for its members: Alameda County, the 14 cities within the county, and 2 sanitary districts. Public and private stakeholders developed the *7 Principles of Bay-Friendly Landscaping & Gardening* and created the *Bay-Friendly Landscaping Guidelines: Sustainable Practices for Landscape Professionals*. The Guidelines complement and coordinate with green building and waste management standards, water efficiency programs and stormwater pollution prevention protocols.

Bay-Friendly subsequently developed other resources, such as model policies and programs, and training services. To date, 180 Bay-Friendly Qualified Landscape Maintenance Professionals have been trained in Alameda, Marin and Contra Costa counties. The Bay-Friendly Garden Tour has attracted 2,000 residents annually over the last 6 years, and a workshop series for home gardeners offered in fall and spring registers 50 people or more per class.

StopWaste.Org has provided Bay-Friendly technical assistance to over 50 public and public-benefit projects and has awarded nearly \$350,000 in Bay-Friendly landscaping grants for projects such as parks, street medians, city hall renovations, fire stations, libraries, senior centers and affordable housing projects in Alameda County. These projects have demonstrated that the Bay-Friendly principles and practices work in diverse situations and conditions.

StopWaste.Org staff regularly receive requests from agencies, utilities, landscape associations and businesses all over the region, the state and the country to share Bay-Friendly Landscaping & Gardening. Agencies in Marin and Contra Costa Counties have replicated the Maintenance Training & Qualification Program. The Sacramento area has adapted the Bay-Friendly approach to create the River-Friendly Landscape Guidelines. New York State has asked for information on the program. And the US EPA is adapting Bay-Friendly tools for a national audience.

## **Bay-Friendly Landscaping & Gardening Coalition**

In 2006, diverse stakeholders established the Bay-Friendly Landscaping & Gardening Coalition (Coalition) to assist in the expansion of the Bay-Friendly programs and resources. A fiscally-sponsored project of StopWaste.Org, the Coalition offers general membership and sponsorship opportunities for public agencies; organizations; businesses in environmental protection and quality, waste and water management, air and water quality, and landscaping; and home gardeners. The Coalition promotes the adoption of Bay-Friendly Programs by Bay Area jurisdictions, and implementation of sustainable practices in landscapes and gardens. More information about the Coalition can be found on their website at: [www.bayfriendlycoalition.com](http://www.bayfriendlycoalition.com).

## **Bay-Friendly Guidelines & Tools**

Bay-Friendly provides a comprehensive package of tools – for public agencies, home gardeners, and professionals – to support and encourage informed decisions about sustainable landscaping. This approach enables the Coalition to promote implementation across sectors.

In addition to the Guidelines, the Bay-Friendly toolkit / resources include:

- Landscape scorecards for the design and construction of new landscapes
- Trainings and qualification programs for landscape professionals
- Model landscape specifications
- Professional landscape guides on Sustainable Landscaping, Mulch, Grasscycling, and Using Recycled and Salvaged Materials in the Landscape.
- Regional Bay-Friendly Conference for landscape professionals
- Comprehensive home gardener guide and workshops for home gardeners
- Educational garden tours for home gardeners and more

Bay-Friendly programs and materials are applicable to communities throughout the region. They are consistent with a number of ABAG programs. StopWaste.Org staff participated in the development of the Green Business program landscaper checklist. ABAG's Eco-Wise Certified program for structural Integrated Pest Management complements StopWaste.Org's Bay-Friendly and Green Building programs. The Bay-Friendly tools and resources are available on the StopWaste.Org website at <http://www.stopwaste.org>.

## **Bay-Friendly Rated Landscapes**

A new tool being developed by StopWaste.Org and the Coalition, due for release in 2010, is the Bay-Friendly Rated Landscape toolkit. Similar to the US Green Building Council's LEED (Leadership in Energy and Environmental Design), or Build It Green's Green Point Rated Homes, Bay-Friendly Rated Landscapes will be a third party system available to jurisdictions throughout the region. The program will train independent raters, and reward designers and contractors whose landscapes meet the Bay-Friendly standards with branded materials and signage that can be placed on the landscape as a visible seal of approval.

The development of a third party rating system is dependent upon interest and support from ABAG members and other public and private stakeholders in the greater Bay Area. With a Bay-Friendly Landscape Rater system in place, local governments can encourage or require that

public and private landscapes be built to a Bay-Friendly standard just as many have already required that buildings are built to a LEED or Green Point Rated Home green building standard.

StopWaste.Org has developed many of the tools needed to create the standard; however broader support is needed for it to become a regional tool. Local and regional governments working together on this effort are more likely to attract grant funding needed to complete development and implement the system in the Bay Area and beyond.

### **Bay-Friendly Landscaping and Gardening 7 Principles Charter**

In 2008, at the Bay-Friendly Landscaping and Gardening Conference, the Coalition introduced the *Bay-Friendly Landscaping and Gardening 7 Principles Charter* (Charter) (*attachment 1*), and initiated a signature campaign to increase awareness and broaden Bay-Friendly's reach. To date, 23 entities, including the Authority and Board, 4 cities, several water districts, and the San Francisco Estuary Project, have signed the Charter (*attachment 2*). StopWaste.Org and the Bay-Friendly Coalition are requesting ABAG's endorsement and assistance in encouraging all Bay Area cities and counties to sign the Charter.

Briefly, the "7 Principles" are:

1. Landscape Locally
2. Landscape for Less to the Landfill
3. Nurture the Soil
4. Conserve Water
5. Conserve Energy
6. Protect Water & Air Quality
7. Create Wildlife Habitat

The Charter is an important initial step toward achieving sustainable landscaping goals. In Alameda County, 9 jurisdictions have taken a further step by adopting an ordinance requiring use of the Bay-Friendly Rated Landscapes in civic landscape projects. All 17 Member Agencies of StopWaste.Org are expected to have ordinances by mid 2009 (*attachment 3*).

Endorsement of the Charter by the Regional Planning Committee will assist StopWaste.Org and the Coalition as they conduct outreach to ABAG members. It can also provide direction to relevant ABAG programs with diverse environmental goals such as water and resource conservation, reduction of waste and pollution and the creation of healthy urban environments.

### **Benefits of a Regional Approach**

StopWaste.Org and the Bay-Friendly Landscaping & Gardening Coalition provide critical leadership for creating a regional approach to sustainable landscaping and gardening in the Bay Area. The benefits of a regional approach include:

- Provides a consistent definition and recognizable brand of sustainable landscaping that is less confusing, easily recognized, and avoids conflicting "best" practices for consumers, professionals, and local governments.

- Leverages staff time to avoid reinventing programs and materials and encourage economy of scale.
- Leverages data & information by sharing our knowledge and increasing access to information to the public and to the landscape/horticulture industry.
- Strengthens the ability to influence markets and research toward sustainable landscape practices, products and services.
- Leverages financial resources by forming partnerships to solicit funding/conduct regional projects, media campaigns, rebate programs and more.

StopWaste.Org and the Coalition are eager to share these resources with the ABAG member jurisdictions and gain their support.

### **StopWaste.Org/Bay-Friendly Coalition Presentation – April 1, 2009**

At the meeting on April 1, 2009, Gary Wolff, the Executive Director of StopWaste.Org, Teresa Eade, Senior Program Manager of StopWaste.Org, and Michelle LeBeau of the Coalition will make a presentation. The presentation will cover the following points:

- How a comprehensive, sustainable landscaping program can help local agencies reduce greenhouse gas emissions; conserve energy and water; reduce stormwater runoff, air pollution and waste; increase recycling; and create healthier communities.
- What Bay-Friendly Landscaping and Gardening offers: tools for public agencies, landscape professionals, and home gardeners to implement sustainable landscaping practices.
- Support needed from Regional Agencies, Boards of Supervisors and City Councils to accelerate expansion of sustainable landscaping regionally through a common standard.

### **ACTION REQUESTED:**

THAT the Regional Planning Committee

- endorse the Bay-Friendly Landscaping & Gardening 7 Principles Charter.
- encourage ABAG staff to identify opportunities to incorporate Bay-Friendly criteria in relevant programs, such as the Bay Area Green Business Program, the San Francisco Estuary Project , EcoWise Certified and FOCUS.
- encourage StopWaste.Org and the Coalition to continue development of a verification program for the design and construction of new landscapes in the Bay Area.
- direct staff to schedule a presentation to the Executive Board and seek its endorsement of these recommendations.

### **Attachments:**

1. Declaration of Support of the 7 Principles of Bay-Friendly Landscaping
2. Signers of the Declaration of Support.
3. Cities in Alameda County that have adopted and are developing policies that require Bay-Friendly Rated Landscapes for new civic landscape projects.

## MEMO

**Submitted by: Ken Kirkey, ABAG Planning Director and  
Jeanne Perkins, ABAG Earthquake and Hazards Program Consultant**

**To: Regional Planning Committee (RPC)**

**Subject: Forum on Schools and Long-Term Disaster Recovery**

**Date: April 1, 2009**

### **Executive Summary**

During late 2007 and 2008, ABAG prepared several issue papers related to identifying issues that slow long-term recovery after major disasters, including financing, housing recovery, business recovery, and recovery of government facilities and services. The papers were developed to assist with preparing the Regional Planning Committee to serve as the Regional Recovery Task Force for the Bay Area and to provide the basis for further research and program development pertaining to Recovery Planning. These issue papers and discussions identified some “best practices” for local governments, as well as potential activities of ABAG for regional coordination.

In the summer and fall of 2008, ABAG conducted a survey of local governments to determine their relative preparedness for long-term disaster recovery and determined that these workshops are useful.

In 2009 the RPC will have additional workshops to discuss key recovery planning issues:

- Lifelines (the topic at the December 2008 RPC)
- **Schools (the topic of this RPC meeting)**
- Public Health (potential future topic)
- Land Use Change (potential future topic)
- Government Management Issues (future topic)

### **Recommended Action**

RPC members are encouraged to participate in the discussion at the RPC meeting. Recommendations and input relative to the role of schools in a regional recovery plan is needed.

### **Next Steps**

Issues of public health, land use change, and government management will be discussed at future RPC meetings. The Association of Bay Area Governments is developing pilot disaster recovery plans with the cities of Oakland and San Jose that will serve as a basis for expanding recovery planning in the region. In summer 2009 ABAG staff will be available to present the findings of the Regional Recovery Planning Best Practices Report developed in 2008 to local jurisdictions. Finally, ABAG staff is working with economic development and other regional stakeholder groups to develop a larger, more comprehensive recovery planning program for the Bay Area. Staff will present a Staff Report on these efforts to the RPC in August 2009.

**Attachment** – Information for April 1, 2009 Workshop Forum on Schools and Long-Term Disaster Recovery

# A Disaster-Resistant University

Building Resilience at UC Berkeley

Sarah Nathe

SAFER PROGRAM

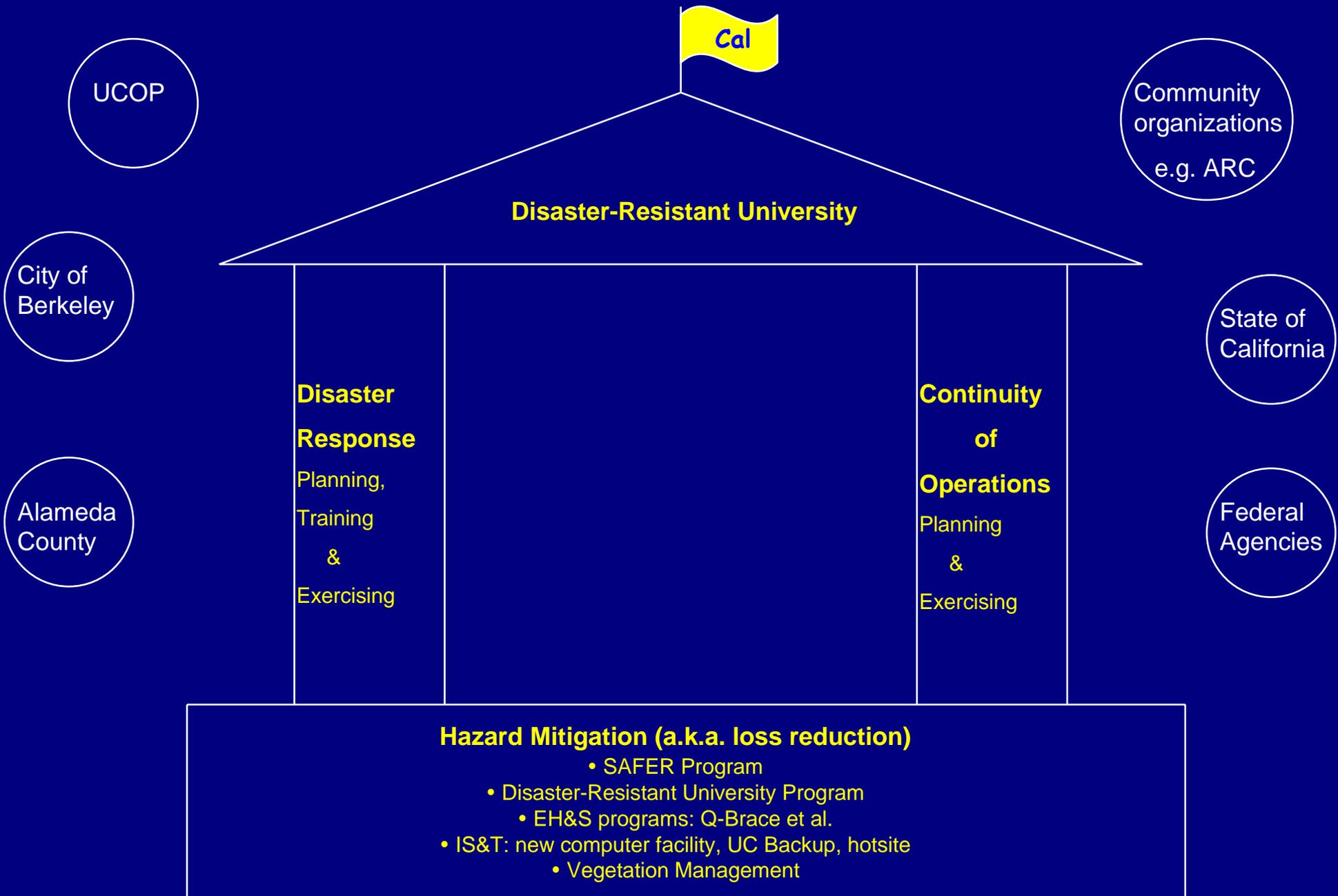
University of California, Berkeley

# Goals for UCB Disaster Resistance

- Prevent life loss and injury from structural, nonstructural and utilities failures in an earthquake.
- Protect assets.
- Sustain operations after a disaster, or resume instruction and research within 30 days of a major disaster.
- Be a resource for local community.

# Elements of Resilience

- Understand Risk—significant hazards
- Disaster Response—planning, training and exercising
- Hazard Mitigation Initiatives—reducing potential losses
- Continuity of Operations—planning, exercising

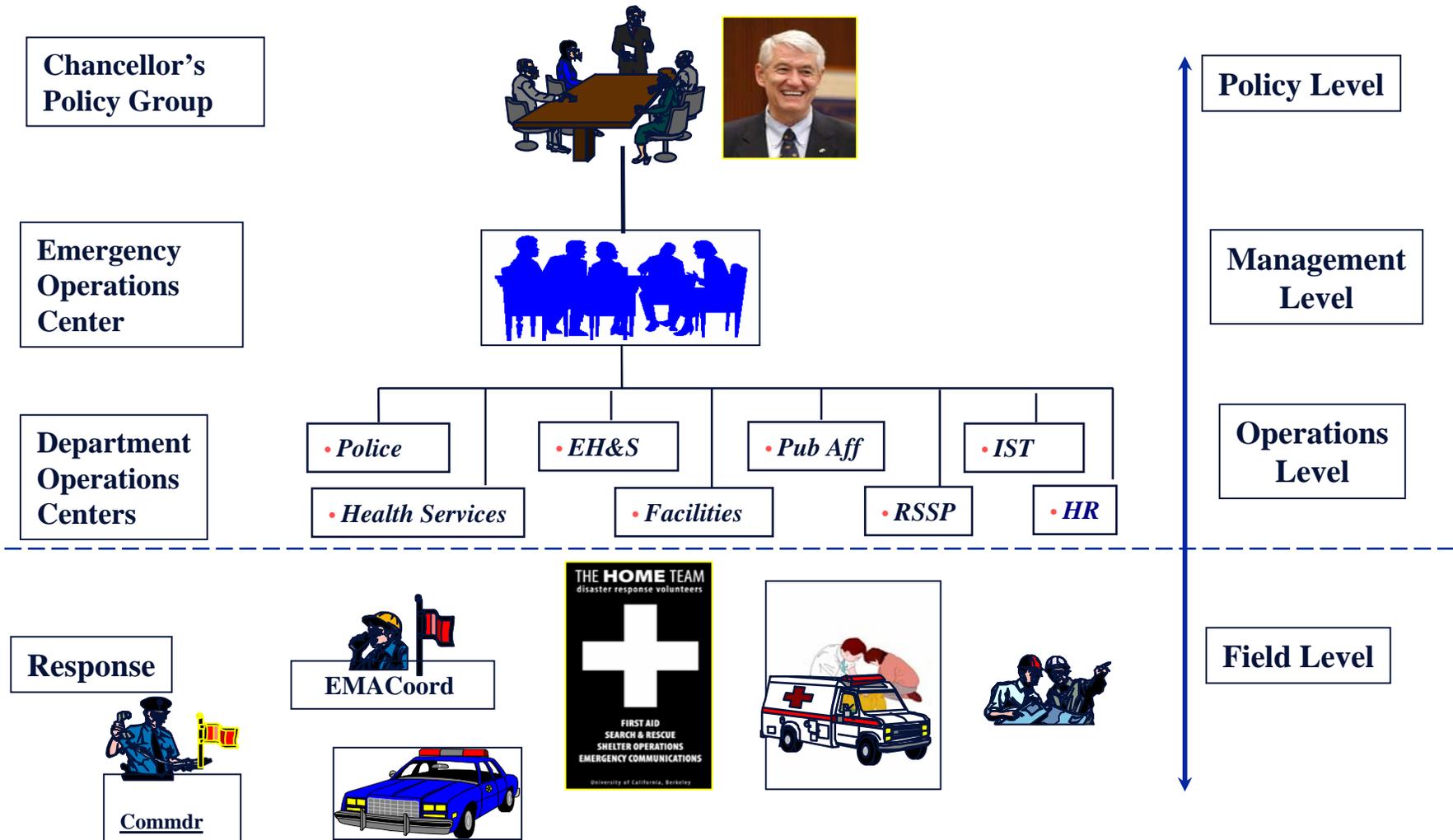


# Risks for UC Berkeley

- Earthquake
- Eco/animal rights terrorism
- Civil disturbance
- Wildfire
- Building fire
- Power failure
- Active shooter

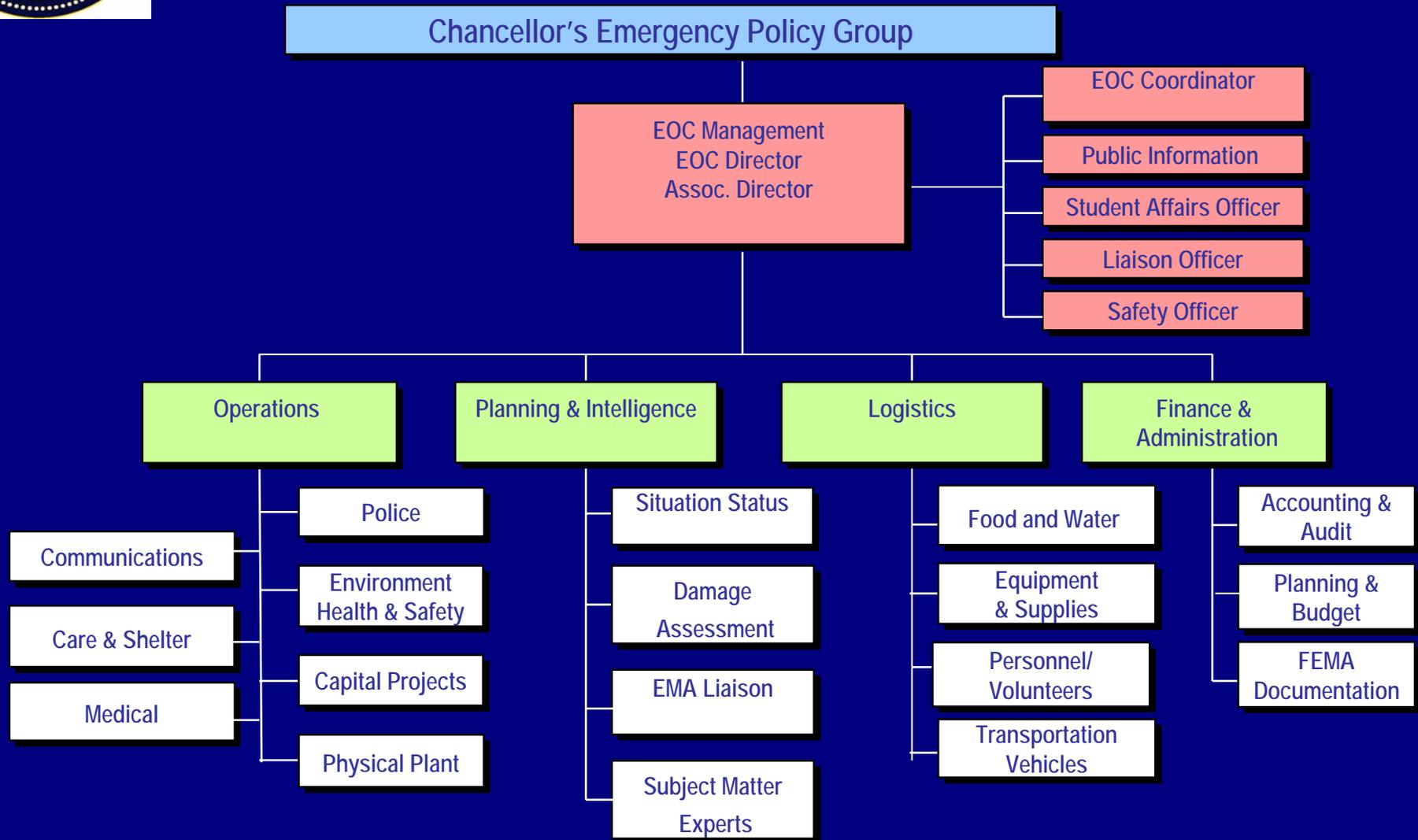


# Campus Disaster Response Program





# UC Berkeley Emergency Operations Center



# Alerting & Warning System

When you hear campus warning sirens:

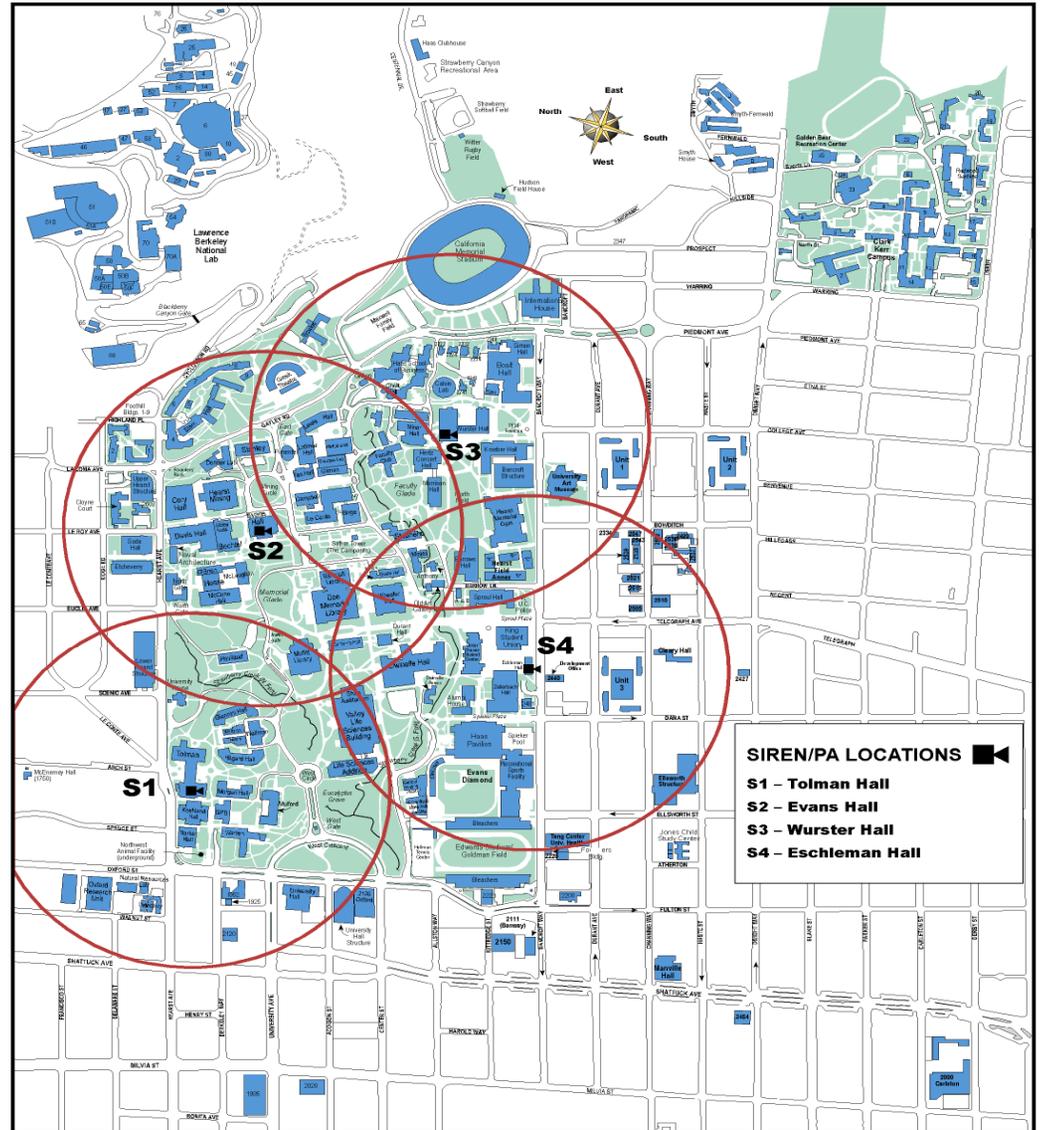
- 1. Shelter** Go inside.
- 2. Shut** Shut all doors and windows  
Call 1-800-705-9998  
or  
<http://emergency.berkeley.edu>  
or  
Tune to KALX 90.7 FM
- 3. Listen**



SCHEDULED SIREN TESTING:  
1<sup>ST</sup> WEDNESDAY OF THE MONTH AT NOON



# University of California, Berkeley Siren/PA Locations



# Annual training and exercising

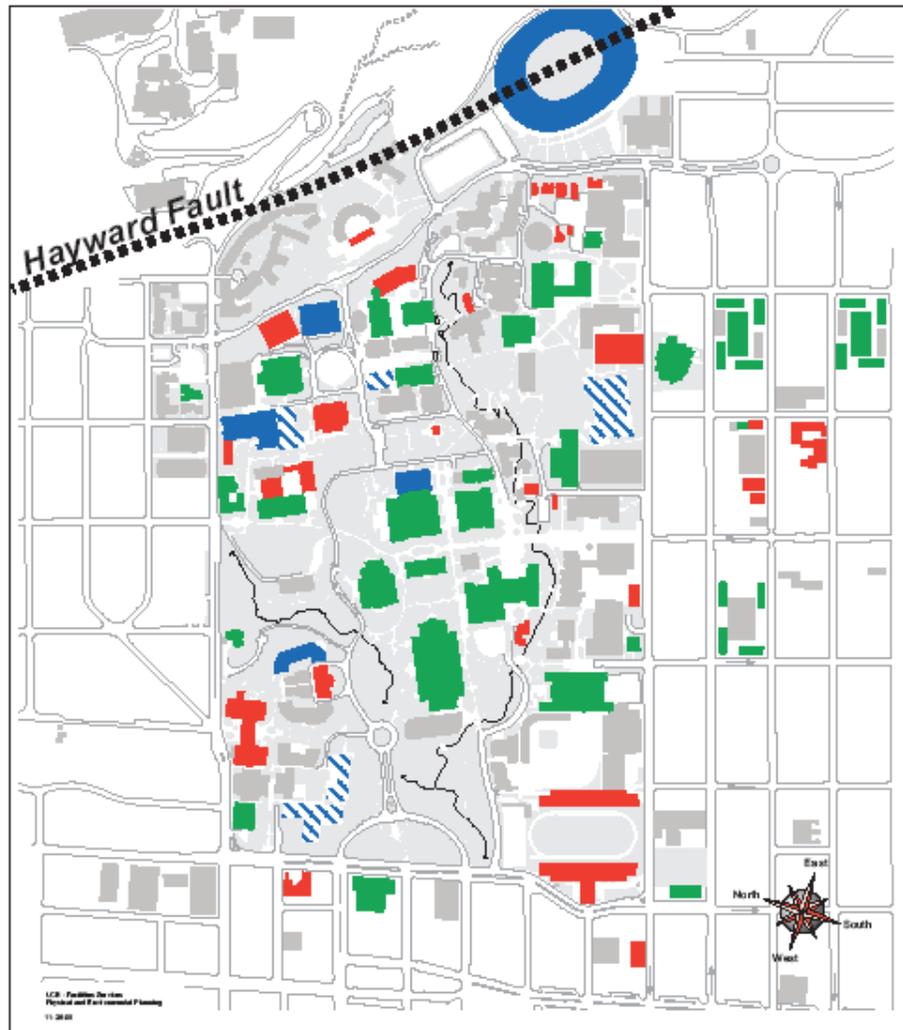


# Hazard Mitigation

# Seismic Action plan for Facilities Enhancement and Renewal

- Comprehensive Building Survey, Summer 1997:
  - 27 % of total space poor or very poor
- Creation of SAFER Program, Fall 1997
- Commitment of capital budget to seismic safety:
  - Estimated \$1.2 billion over 20-30 years
- Of the square footage identified as poor or very poor, 30% remains.

# SAFER Accomplishments Buildings Retrofit or Replaced



# The Disaster-Resistant University Program Projects

- Strengthening buildings
- Developed:
  - Comerio loss estimation study of UCB
  - Strategic risk management plan for UCB
  - Guidelines for other research universities
  - Comerio/PEER nonstructural loss reduction studies of UCB buildings; new details
- 2005 funding for web-based business resumption planning tool

# EH&S Programs

- Q-Brace Program—nonstructural hazards (contents) loss reduction.
  - Since 1999, \$ 273,000 in matching funds (from Chancellor) generated \$556,000 worth of work.
  - New technical assistance (engineer) for labs
  - New state-of-the-art details:  
<http://www.ehs.berkeley.edu/qbrace/qbrace.guid.07.pdf>
- Lab and shop inspections
- Fire Marshal code enforcement
- Post-disaster building inspection protocol:  
<http://ocp.berkeley.edu/node/50>

# Information Technology Programs

- Warren Hall—the new facility and its capacities.  
Server farm.
- UCBackup for data protection:  
<http://ist.berkeley.edu/ucbackup>
- Hotsite
  - Payroll
  - Remote site applications: mutual agreements with other UCs for additional critical apps, e.g., student records, accounts receivable, financial aid
- PeopleLocator to track students, faculty, staff:  
<http://peoplelocator.berkeley.edu>

# Vegetation Management



1991



# Chaparral Hill – from Grizzly Peak Blvd



2001-2005

11,050 trees removed  
85 acres treated  
\$385,000 + \$102,000 PG&E

2006 – 2009 (Projected)

23,000 trees for removal  
110 acres for treatment  
\$822,000 (\$576K FEMA)

# Continuity Planning

## OVERVIEW

- **Continuity Planning** — putting elements in place that will allow for operations to continue or start quickly following an unplanned interruption
- **FOCUS** of C.P. at UCB — teaching, research, public service
- **GOAL** — to resume teaching, research and necessary support services within 30 days of an interruption
  - closure longer than 30 days could lead to: loss of faculty, students, preëminence

## STRATEGIC OUTCOMES of C.P. –

- Heightened awareness
- Heightened preparedness

## SPECIFIC OUTCOMES of C.P. –

- The (departmental) business resumption plan
  - *“How can we do our work in a changed environment?”*
- List of action items
  - *“What should we do NOW or SOON in order to make that possible?”*
- HR guidance for post-disaster:  
<http://hrweb.berkeley.edu>
- Vehicle for annual tabletop exercises

**The Tool:** <http://obr.berkeley.edu/BCPT.html>



## THE Berkeley CONTINUITY PLANNING TOOL

to continue our  
teaching, research, and service mission  
through any disaster

**Begin**

[UC Berkeley Home](#) | [Contact Us](#)

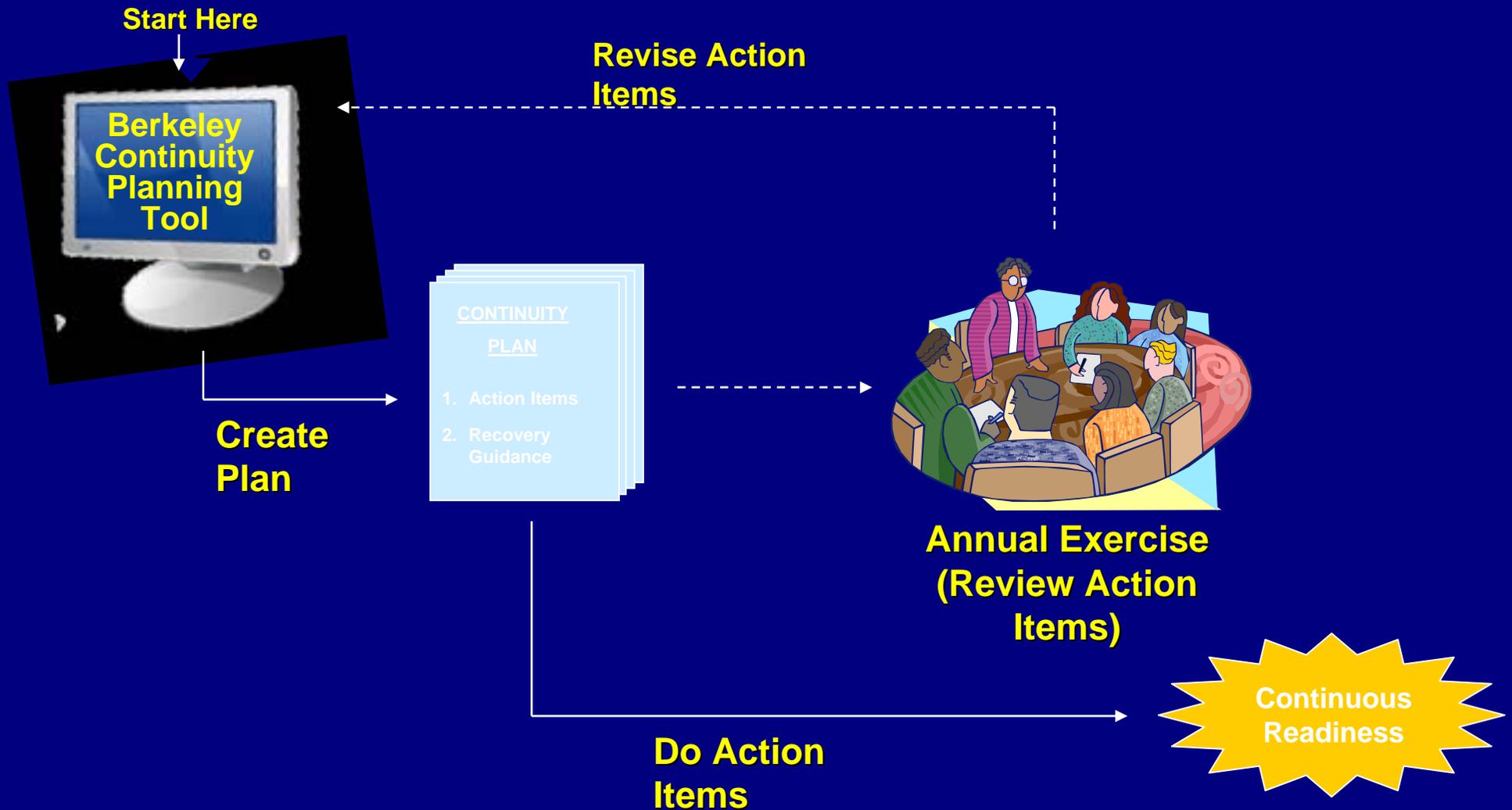
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This site is best viewed at screen resolution of 1024x768 or higher.

# Progress to Date

- Currently, 234 campus units (67% of total) are engaged in the planning effort: 102 units have completed their plans and 132 have plans in progress.
- There are 300-400 units on campus that should do continuity planning. We arbitrarily use 350 units as the base.

## An ongoing process:



Legend:  
Referral of Action Item



The outcome of continuity planning: ACTION ITEMS (mitigation or preparedness)

