

**SECTION 4C**

**BRUSHFIRE**

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## **Section 4C - BRUSHFIRE**

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# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

## MISSION, GOALS & OBJECTIVES

### Mission

*The mission of the City of Los Angeles Local Hazard Mitigation Plan is to establish and promote a comprehensive mitigation policy and program to protect City residents, their property, public facilities, the infrastructure and the environment from natural and manmade hazards.*

Each one of the mitigation measures is designed to address one or more of the following goals. This is indicated in the last item shown with each mitigation measure.

### GOALS:

- **Goal 1 - Protect Life and Property**
- **Goal 2 - Increase Public Awareness**
- **Goal 3 - Strengthen Partnerships**
- **Goal 4 - Increase Emergency Service Effectiveness**
- **Goal 5 - Environmental & Historical Preservation**

### Identification of Mitigation Measures

This section describes measures developed by City departments to mitigate the risks associated with identified hazards and to meet the Goals and Objectives of the Plan. Recently completed and ongoing mitigation programs and projects are listed, as well as proposed projects. Within each subsection projects are grouped by primary responsible City department or agency.

# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

## (Example)

<b>Field Name</b>	<b>Definition</b>
Cost:	\$ = estimated cost in dollars currently funded [\$] = estimated cost in dollars not funded FTE = Full Time Equivalent staff currently funded [FTE] = Full Time Equivalent staff not funded TBD = Cost information to be determined later
Schedule:	Ongoing = a continuous program Start = estimated program start Finish = estimated program finish Not Scheduled = no start date has been established TBD = Schedule information to be determined later
Objective Addressed:	Objectives that relate to the program
Responsible Agency:	City Departments/Bureaus and outside agencies
Financing:	Funding sources for the identified program
Goals Addressed:	Identification of one or more of the five established goals

# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

## PROPOSED MITIGATION MEASURES

### Los Angeles Fire Department (LAFD)

#### **BF-LAFD-01**

Program/Project: Project for Fire Stations: 23, 47, 56, 69, 76, 97, 99, 108,109

Description: Develop interior fire protection sprinkler system.

Cost: TBD  
Schedule: Projected  
Objective Addressed: 1B, 1C, 4A, 4B  
Responsible Agency: LAFD, LADBS, GSD  
Financing: TBA/Grants  
Goals Addressed: -Protect life & property  
-Increase emergency services effectiveness

#### **BF-LAFD-02 (Project Complete)**

Program/Project: Project for Fire Stations: 23, 47, 56, 69, 76, 97, 99, 108,109

Description: Increase brush clearance to 300 feet, surrounding the fire station.

Cost: TBD  
Schedule: Projected.  
Objective Addressed: 1B, 1C, 4A, 4B  
Responsible Agency: LAFD, LADBS, GSD  
Financing: TBA/Grants  
Goals Addressed: -Protect life & property  
-Increase emergency services effectiveness

#### **BF-LAFD-03 (Remove)**

Program/Project: Project for Fire Stations: 23, 47, 56, 69, 76, 97, 99, 108,109

Description: Relocate Fire Stations to outside impact area.

Cost: TBD

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## CITY OF LOS ANGELES HAZARD MITIGATION PLAN

Schedule: Projected.  
Objective Addressed: 1B, 1C, 4A, 4B  
Responsible Agency: LAFD, LADBS, GSD  
Financing: TBA/Grants

Goals Addressed: -Protect life & property  
-Increase emergency services effectiveness

### **BF-LAFD-04 (Remove)**

Program/Project: Project for Fire Stations: 23, 47, 56, 69, 76, 97, 99, 108,109  
Description: Plant and maintain an "iceplant" type plant surrounding fire stations

Cost: TBD  
Schedule: Projected.  
Objective Addressed: 1B, 1C, 4A, 4B  
Responsible Agency: LAFD, LADBS, GSD  
Financing: TBA/Grants  
Goals Addressed: -Protect life & property  
-Increase emergency services effectiveness

### **BF-LAFD-05 (Remove)**

Program/Project: Project for Fire Stations: 23, 47, 56, 69, 76, 97, 99, 108,109  
Description: Ensure all building materials for new fire stations are fire resistant

Cost: TBD  
Schedule: Projected.  
Objective Addressed: 1B, 1C, 4A, 4B  
Responsible Agency: LAFD, LADBS, GSD  
Financing: TBA/Grants  
Goals Addressed: -Protect life & property  
-Increase emergency services effectiveness

### **BF-LAFD-06 (Remove)**

Program/Project: Project for Fire Stations: 23, 47, 56, 69, 76, 97, 99, 108,109  
Description: Install 2,000 gallon water tanks on site to assist in fire suppression.

Cost: TBD

# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

Schedule: Projected.  
Objective Addressed: 1B, 1C, 4A, 4B  
Responsible Agency: LAFD, LADBS, GSD  
Financing: TBA/Grants  
Goals Addressed: -Protect life & property  
-Increase emergency services effectiveness

## **BF-LAFD-13**

Program/Project: No Parking Enforcement Program

Description: Developed to provide increased public safety in the Very High Fire Hazard (Severity Zone); formerly known as the Mountain Fire District, during fire season. The program utilizes resources from the LAFD, LAPD, and LADOT to enforce parking regulations in the Severity Zone that are identified as critical to LAFD operations during a brush fire. In essence, enforcing parking regulations in the in the Severity Zone becomes a public safety priority during brush fire season. The No Parking Priority Enforcement Program will be implemented in four phases. The four phases represent four levels of enforcement as hazards change during a brush fire season. Just as the LAFD bases pre-deployment on the Brush burning Index, City resources will be augmented to enforce parking regulations as the risks in the Severity Zone dictate.

Cost: TBD  
Schedule: Ongoing  
Objective Addressed: 1B, 1C, 2A, 2B, 2C, 3A, 4A  
Responsible Agency: LAFD, LADOT  
Financing: Staff Time - Currently exploring additional funding sources.  
Goals Addressed: -Protect life & property  
-Increase public awareness  
-Strengthen partnerships  
-Increase emergency services effectiveness

## **Department of Water and Power (DWP)**

### **BF-DWP-01**

Program/Project: Regulator Stations Program

Description: Construction of new regulator stations and modification of existing

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## CITY OF LOS ANGELES HAZARD MITIGATION PLAN

regulator stations throughout the City.

Cost: \$14,200,000  
Schedule: Ongoing  
Objective Addressed: 1B  
Responsible Agency: Department of Water and Power  
Financing: DWP  
Goals Addressed: Protect Life/Property

### **BF-DWP-02**

Program/Project: Customer Call Center, Electric Trouble, Water Quality  
Description: Integrate Customer Connect with Customer Call Center, Electric Trouble, Water Quality

Cost: TBD  
Schedule: 7/01/07 through 6/30/08  
Objective Addressed: 3A, 4A  
Responsible Agency: Department of Water and Power  
Financing: DWP  
Goals Addressed: Protect Life/Property  
Strengthen Partnerships

### **BF-DWP-03**

Program/Project: Emergency Equipment Project  
Description: Obtain emergency personal protective response equipment through Office of Emergency Services' Federal Grant.

Cost: \$300,000.  
Schedule: No start date  
Objective Addressed: 4A, 4B  
Responsible Agency: DWP, Power  
Financing: Special Fund (currently not funded)  
Goals Addressed: -Increase emergency service effectiveness

# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

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# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

## EXISTING/ONGOING MITIGATION MEASURES

### Department of Building and Safety (LADBS)

#### **BF-LADBS-01**

Program/Project: Enforcement of the City of Los Angeles Building Code and related State of California Codes

Description: Regulation of buildings and other structures.

Cost: Recovered through permit fees.

Schedule: Ongoing

Objective Addressed: 1B, 1C, 5A, 5B

Responsible Agency: LADBS

Financing: General Fund Goals Addressed:

Goals Addressed: -Protect life & property  
-Environmental and historical preservation

#### **BF-LADBS-02**

Program/Project: Enforcement of the City of Los Angeles Plumbing Code and related State of California Codes

Description: Regulation of plumbing and water pipe systems (all varieties).

Cost: Recovered through permit fees.

Schedule: Ongoing

Objective Addressed: 1B,1C

Responsible Agency: LADBS

Financing: General Fund Goals Addressed:

Goals Addressed: -Protect life & property

#### **BF-LADBS-03**

Program/Project: Enforcement of the City of Los Angeles Planning and Zoning Codes and related State of California Codes -

Description: Consolidation and coordination of all planning and zoning codes.

Cost: Recovered through permit fees.

Schedule: Ongoing/continuous

Objective Addressed: 5A, 5C

Responsible Agency: LADBS

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# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

Financing: General Fund Goals Addressed:  
Goals Addressed: -Environmental and historical preservation

## Los Angeles Fire Department (LAFD)

### BF-LAFD-07

Program/Project: Fire Road Maintenance Program  
Description: City of Los Angeles maintains 40 miles of Fire Roads throughout our brush fire districts. Allows rapid and unimpeded access to remote areas and Fire and rescue apparatus.

Cost: \$60,000.  
Schedule: Annual Program - Six weeks in duration, May through July.  
Objective Addressed: 1B, 1C, 4A, 4B  
Responsible Agency: LAFD  
Financing: Fire Fund  
Goals Addressed: -Protect life & property  
-Increase emergency services effectiveness

### BF-LAFD-08

Program/Project: Written Communications Projects:  
Description: Ensure that all property owners are familiar with Brush Clearance and Landscape Vegetation Management requirements; issue violation notices.

Cost: \$800,000.  
Schedule: Annual - January - December 2004  
Objective Addressed: 1B, 1C, 2A, 2B, 2C, 4A  
Responsible Agency: LAFD - Brush Clearance Unit -  
• Accounting Services  
• Management Information Systems Section, GSD  
Financing: General Fund  
Goals Addressed: -Protect life & property  
-Increase public awareness  
-Increase emergency services effectiveness

### BF-LAFD-09

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## CITY OF LOS ANGELES HAZARD MITIGATION PLAN

Program/Project: Brush Task Force Program

Description: To ensure that an inspection of every parcel in the Very High Fire Hazard Severity Zone (fire Zone) is consistent with established ordinances. **The Brush Clearance Unit** recruits, selects and trains members from the Bureau of Emergency Services. **The Brush Task Force** consists of 40 members who will conduct the initial inspection of 130,000 properties located in the Fire Zone.

Cost: Brush Task Force - \$465,500\*;  
Brush Clearance Unit - \$64,000.

Schedule: April 2007 - June 2007

Objective Addressed: 1B, 1C, 2A, 2C, 4A, 4B

Responsible Agency: LAFD, Bureau of Fire Prevention and Public Safety - Brush Clearance Unit, Bureau of Emergency Services

Financing: General Fund

Goals Addressed: -Protect life & property  
-Increase public awareness  
-Increase emergency services effectiveness

### **BF-LAFD-10**

Program/Project: Public Awareness Presentation Projects

Description: Presentations to: Homeowner Associations, Neighborhood Councils, Public Safety Fairs, Fire Safety Day, Council District Meetings

Cost: \$26,900.

Schedule: January - December 2007, Offered annually, Upon request, As assigned by Bureau Commander

Objective Addressed: 2A, 2B, 2C

Responsible Agency: LAFD - Brush Clearance Unit

Financing: General Fund

Goals Addressed: -Increase public awareness

### **BF-LAFD-11**

Program/Project: Fire Code Enforcement Program

Description: The Department has the responsibility to enforce the Los Angeles Municipal Codes regarding the abatement, tree trimming or removal of debris. In connection with said responsibilities, the Department must work closely with other agencies that have property in the

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# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

Very High Fire Hazard Severity Zone.

Cost: \$1,909,600.  
Schedule: January - December 2004  
Objective Addressed: 1B, 1C, 3A, 3B  
Responsible Agency: LAFD - Brush Clearance Unit, California Division of Forestry, Santa Monica Conservancy, DWP, Cal Trans, Griffith Park, Southern California Edison, State properties, Federal properties, Private properties in the Very High Fire Hazard Severity Zone.  
Financing: General Fund  
Goals Addressed: -Protect life & property  
-Strengthen partnerships

## **BF-LAFD-12**

Program/Project: Weed Abatement Contractual Services Program  
Description: The Department has the responsibility to enforce the Los Angeles Municipal Codes regarding the abatement of certain public nuisances. From time to time, the Department requires the services of qualified brush clearance contractors to abate fire hazards located in the Very High Fire Hazard Severity Zone, on improved and unimproved property.

Cost: \$1,500,000.  
Schedule: April - December 2007  
Objective Addressed: 1B, 1C, 3A  
Responsible Agency: LAFD - Brush Clearance Unit, DWP, Recreation and Parks, Zoo.  
Financing: General Fund  
Goals Addressed: -Protect life & property  
-Strengthen partnerships

## **BF-LAFD-14**

Program/Project: Public Service Announcement  
Description: Create PSA through City T.V. to inform the public of parking restrictions in hillside/brushfire areas.

Cost: TBD  
Schedule: Ongoing

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Section No. 4A                      Brushfire

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Objective Addressed: 2A, 2B,2C,3A, 4A  
Responsible Agency: LAFD, ITA  
Financing: General Fund/EOF  
Goals Addressed: -Increase public awareness  
-Strengthen partnerships  
-Increase emergency services effectiveness

## **BF-LAFD-15**

Program/Project: Wild Land Operational Plan  
Description: Brush fire operational map book identifies evacuation areas, lookouts, safe zones, access, egress, heli-spots, staging areas, fires roads, past fire activity, etc.

Cost: FTE  
Schedule: Ongoing  
Objective Addressed: 1A, 4A  
Responsible Agency: LAFD  
Financing: General Fund  
Goals Addressed: -Protect life/property  
-Increase emergency services effectiveness

## **Los Angeles Housing Department (LAHD)**

### **BF-LAHD-01**

Program/Project: Enforce the California Health and Safety Codes  
Description: This program systematically inspects more than 850,000 occupied multi-family residential units for compliance with orders issued for the repair and maintenance of fire retardant building elements, fire suppression systems, and combustible debris removal from the premises of multifamily dwellings.

Cost: TBD  
Schedule: Ongoing  
Objective Addressed: 1A, 1B, 1C, 2A, 2B, 2C, 3A, 3B, 4B, 4C, 4D, 5B, 5C  
Responsible Agency: LAHD, Code Enforcement Unit  
Financing: Fee Supported  
Goals Addressed: -Protect life/property  
-Increase public awareness  
-Strengthen partnerships

# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

- Increase emergency service effectiveness
- Environmental and historical preservation

## **BF-LAHD-02**

Program/Project: Enforce the City of Los Angeles Building Code and Related California Codes

Description: This program systematically inspects more than 850,000 occupied multi-family residential units for compliance with orders issued for the repair and maintenance of fire retardant building elements, fire suppression systems, and combustible debris removal from the premises of multifamily dwellings.

Cost: TBD  
Schedule: Ongoing  
Objective Addressed: 1A, 1B, 1C, 2A, 2B, 2C, 3A, 3B, 4B, 4C, 4D, 5B, 5C  
Responsible Agency: LAHD, Code Enforcement Unit  
Financing: Fee Supported  
Goals Addressed:

- Protect life/property
- Increase public awareness
- Strengthen partnerships
- Increase emergency service effectiveness
- Environmental and historical preservation

## **BF-LAHD-03**

Program/Project: Enforce the City of Los Angeles Plumbing Code and Related California Codes

Description: This program systematically inspects more than 850,000 occupied multi-family residential units for compliance with orders issued for the repair and maintenance of fire retardant building elements, fire suppression systems, and combustible debris removal from the premises of multifamily dwellings.

Cost: TBD  
Schedule: Ongoing  
Objective Addressed: 1A, 1B, 1C, 2A, 2B, 2C, 3A, 3B, 4B, 4C, 4D, 5B, 5C  
Responsible Agency: LAHD, Code Enforcement Unit  
Financing: Fee Supported

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# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

Goals Addressed:           -Protect life/property  
                                  -Increase public awareness  
                                  -Strengthen partnerships  
                                  -Increase emergency service effectiveness  
                                  -Environmental and historical preservation

## **BH-LAHD-04**

Program/Project:       Enforce the City of Los Angeles Planning and Zoning Codes and Related California Codes

Description:           This program systematically inspects more than 850,000 occupied multi-family residential units for compliance with orders issued for the repair and maintenance of fire retardant building elements, fire suppression systems, and combustible debris removal from the premises of multifamily dwellings.

Cost:                        TBD  
Schedule:                 Ongoing  
Objective Addressed:    1A, 1B, 1C, 2A, 2B, 2C, 3A, 3B, 4B, 4C, 4D, 5B, 5C  
Responsible Agency:    LAHD, Code Enforcement Unit  
Financing:                Fee Supported  
Goals Addressed:        -Protect life/property  
                                  -Increase public awareness  
                                  -Strengthen partnerships  
                                  -Increase emergency service effectiveness  
                                  -Environmental and historical preservation

## **BF-LAHD-05**

Program/Project:       Enforce the City of Los Angeles Electrical Code and Related California Codes

Description:           This program systematically inspects more than 850,000 occupied multi-family residential units for compliance with orders issued for the repair and maintenance of fire retardant building elements, fire suppression systems, and combustible debris removal from the premises of multifamily dwellings.

Cost:                        TBD  
Schedule:                 Ongoing  
Objective Addressed:    1A, 1B, 1C, 2A, 2B, 2C, 3A, 3B, 4B, 4C, 4D, 5B, 5C  
Responsible Agency:    LAHD, Code Enforcement Unit

# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

Financing: Fee Supported  
Goals Addressed: -Protect life/property  
-Increase public awareness  
-Strengthen partnerships  
-Increase emergency service effectiveness  
-Environmental and historical preservation

## **BF-LAHD-06**

Program/Project: Enforce the City of Los Angeles Mechanical Code and related California Codes

Description: This program systematically inspects more than 850,000 occupied multi-family residential units for compliance with orders issued for the repair and maintenance of fire retardant building elements, fire suppression systems, and combustible debris removal from the premises of multifamily dwellings.

Cost: TBD  
Schedule: Ongoing  
Objective Addressed: 1A, 1B, 1C, 2A, 2B, 2C, 3A, 3B, 4B, 4C, 4D, 5B, 5C  
Responsible Agency: LAHD, Code Enforcement Unit  
Financing: Fee Supported  
Goals Addressed: -Protect life/property  
-Increase public awareness  
-Strengthen partnerships  
-Increase emergency service effectiveness  
-Environmental and historical preservation

## **BF-LAHD-07**

Program/Project: Tenant Relocation Program (TRP)

Description: Provides a housing support service to assist City residents displaced from their homes due to a variety of hazards (both declared and non-declared emergencies). Works with the Red Cross and other service providers to enable displaced residents to move from temporary shelters to temporary or permanent replacement housing.

Cost: TBD  
Schedule: As needed  
Objective Addressed: 2C, 3A, 3B

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# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

Responsible Agency: LAHD, Code Enforcement Unit  
Financing: TBD. The current budget serves only those displaced due to life-safety code violations. There are insufficient funds for a major disaster with numerous displaced citizens.  
Goals Addressed: -Increase public awareness  
-Strengthen partnerships

## Los Angeles Police Department (LAPD)

### BF-LAPD-01

Program/Project: Mobile Field Force (MMF)

Description: Police Department concept to provide a fast and effective method to assemble and deploy a platoon-size tactical force from on-duty personnel. It is adaptable to both planned and spontaneous events. Required is evacuation assistance is needed in brushfire areas.

Cost: TBD, depending on the size and scope of the incident.  
Schedule: Ongoing  
Objective Addressed: 1B, 4A, 4B, 4C  
Responsible Agency: LAPD  
Financing: Operational Funds, General Fund  
Goals Addressed: -Protect life/property  
-Increase emergency services effectiveness

### BF-LAPD-02

Program/Project: Department's Emergency Operations Guide (EOG)

Description: Guide which contains information such as incident specific checklists to assist field personnel with a variety of tasks including evacuation procedures.

Cost: TBD, depending on the size and scope of the incident.  
Schedule: Ongoing  
Objective Addressed: 1B, 4A, 4B  
Responsible Agency: LAPD, assisting City departments  
Financing: Operational Funds, Staff Time, and General Fund

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# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

Goals Addressed: -Protect life/property  
-Increase emergency services effectiveness

## **BF-LAPD-03**

Program/Project: Brushfire Response Plan

Description: This plan was developed to establish the policy and procedures during a brushfire. In addition, this plan allows the Police Department to work in conjunction with the Fire Department particularly for evacuations and long term unified command posts.

Cost: TBD, depending on the size and length of the event or incident.

Schedule: Ongoing: Many of the City's Special Events occur as annual events.

Objective Addressed: 1B, 3A

Responsible Agency: LAPD

Financing: Varies: Operating Budget and General Fund.

Goals Addressed: -Protect life/property  
-Strengthen partnerships

## **Department of Public Works (DPW)**

### **BF-DPW-01**

Program/Project: Weed Abatement - Private Property

Description: Performance of the abatement work is critical, due to health and safety issues, such as allergic reactions to vegetation, fires, rodent and vector harborage.

Cost: \$1,640,202, Full Time Staff Funded (30)

Schedule: Ongoing

Objective Addressed: 1B, 1C, 4A

Responsible Agency: PW, Bureau of Street Services

Financing: General Fund, Special Fund

Goals Addressed: -Protect life/property  
-Increase emergency services effectiveness

### **BF-DPW-02**

Program/Project: Weed Abatement - Public Property

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## CITY OF LOS ANGELES HAZARD MITIGATION PLAN

Description: Performance of the abatement work is critical, due to health and safety issues, such as, allergic reactions to vegetation, fires, rodent and vector harborage.

Cost: \$1,727,234, Full Time Staff Funded (34)  
Schedule: Ongoing  
Objective Addressed: 1B, 1C, 4A  
Responsible Agency: PW, Bureau of Street Services  
Financing: General Fund, Special Fund  
Goals Addressed: -Protect life/property  
-Increase emergency services effectiveness

### **BF-DPW-03**

Program/Project: Brush Clearance at City Owned Landfills  
Description: No Description

Cost: FTE  
Schedule: Ongoing  
Objective Addressed: 1B, 4A  
Responsible Agency: PW, Bureau of Sanitation  
Financing: General Fund  
Goals Addressed: -Protect life/property  
-Increase emergency services effectiveness

### **BF-DPW-04**

Program/Project: Annual Brush Clearance  
Description: Clear brush annually at Donald C. Tilman Plant, Los Angeles-Glendale Plant to reduce fire hazards.

Cost: TBD  
Schedule: TBD  
Objective Addressed: 1B, 4A  
Responsible Agency: PW, Bureau of Sanitation  
Financing: TBD, Grant Funding  
Goals Addressed: -Protect life/property  
-Increase emergency services effectiveness

### **BF-DPW-05**

Program/Project: Tree Maintenance

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Description: Maintenance to reduce brushfire hazards.

Cost: TBD  
Schedule: TBD  
Objective Addressed: 1B, 1C, 4A, 4C  
Responsible Agency: PW, Bureau of Street Services  
Financing: TBD, Grant Funding  
Goals Addressed: -Protect life/property  
-Increase emergency services effectiveness

## Department of Water and Power (DWP)

### BF-DWP-01

Program/Project: Landscaping Program  
Description: Weed abatement, tree trimming and landscaping at various substation facilities.

Cost: TBD  
Schedule: 7/06 through 7/08  
Objective Addressed: 1B, 4A, 4C  
Responsible Agency: DWP, Power  
Financing: DWP  
Goals Addressed: -Protect life/property  
-Increase emergency services effectiveness

### BF-DWP-02

Program/Project: Electrical Substation Maintenance Program  
Description: ESM callout system for emergencies.

Cost: TBD  
Schedule: 7/06 through 7/08  
Objective Addressed: 3A  
Responsible Agency: DWP, Power  
Financing: DWP  
Goals Addressed: -Strengthen partnerships  
-Increase emergency services effectiveness

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# CITY OF LOS ANGELES HAZARD MITIGATION PLAN

## **BF-DWP-04**

Program/Project: Trunk lines and Major System Connections Program  
Description: Seismic and fire protection improvements to Trunk lines and connections to protect life and infrastructure.

Cost: \$532,400,000. (currently funded)  
Schedule: Ongoing  
Objective Addressed: 1B, 1C, 4A, 4C  
Responsible Agency: DWP, Water  
Financing: Capital Improvement Budget (DWP)  
Goals Addressed: -Protect life/property  
-Increase emergency services effectiveness

## **BF-DWP-05**

Program/Project: Pump Stations Program  
Description: Seismic and fire protection improvements to Pump Stations to protect life and infrastructure.

Cost: \$67,000,000  
Schedule: Ongoing  
Objective Addressed: 1B, 1C, 4C  
Responsible Agency: DWP, Water  
Financing: Capital Improvement Budget (DWP)  
Goals Addressed: -Protect life/property  
-Increase emergency services effectiveness

## **BF-DWP-06**

Program/Project: Infrastructure Reservoir Improvements Program (tanks only)  
Description: Seismic and fire protection improvements to reservoir tanks to protect life and infrastructure.

Cost: \$5,600,000  
Schedule: 2011-12  
Objective Addressed: 1B, 1C, 4C  
Responsible Agency: DWP, Water  
Financing: Capital Improvement Budget (DWP)  
Goals Addressed: -Protect life/property  
-Increase emergency services effectiveness

## CITY OF LOS ANGELES HAZARD MITIGATION PLAN

### **BF-DWP-07**

Program/Project: Griffith Park Improvements Project  
Description: Seismic and fire protection improvements to Griffith Park to protect life and infrastructure.

Cost: \$20,800,000  
Schedule: 2015-2016  
Objective Addressed: 1B, 1C, 4C  
Responsible Agency: DWP, Water  
Financing: Capital Improvement Budget (DWP)  
Goals Addressed: -Protect life/property  
-Increase emergency services effectiveness

### **BF-DWP-08**

Program/Project: Generation Backup Program  
Description: Install backup generator at various substations, regional headquarters, Lookout Mountain, Operations Control Center, etc  
Cost: TBD  
Schedule: Ongoing/continuous  
Objective Addressed: 1B, 4B  
Responsible Agency: DWP  
Financing: DWP  
Goals Addressed: -Protect life and property  
-Increase effectiveness of emergency services