



# All Hazards Planning Codes

Comprehensive Update to  
the City's Health and  
Safety Codes



**DATE:** November 17, 2020

**TO:** City Council

**FROM:** Nathan Pry, Fire Marshal / Deputy Chief

**RE: RESOLUTION IN SUPPORT CITY OF ANGELS CAMP HAZARD MITIGATION PROJECTS FOR THE 2021 CALAVERAS COUNTY OPERATIONAL AREA MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN**

**RECOMMENDATION**

Approve Resolution 20-46 approving the City of Angels Camp hazard mitigation projects for the 2021 Calaveras County Operational Area Multi-Jurisdictional Hazard Mitigation Plan

**BACKGROUND/DISCUSSION**

An update to the Calaveras County Operational Area Multi-Jurisdictional Hazard Mitigation Plan (Plan) is required every five years and is currently in progress.

The Plan provides a basis for preparing emergency response plans and is incorporated into the City (and County) general plans pursuant to state law. The Plan identifies the highest risk hazards facing all of Calaveras County, including the City. The draft list of those hazards follows:

Hazard Ranking	
1.	Wildfire
2.	Drought
3.	Severe Weather - Extreme Heat
4.	Climate Change
5.	Severe Weather - Winter Storms & Extreme Cold
6.	Severe Weather - Wind
7.	Flooding
8.	Landslide/Debris Flow
9.	Dam Failure
10.	Earthquake
11.	Land Subsidence (Sinkhole)
12.	Volcano



Program (FEMA Reference #)	Short description
WF-2 <u>Integrate</u> Local Hazard Mitigation Plan into Safety Element of the General Plan	Self-explanatory
MU-14 Develop and Conduct a Multi-Hazard Seasonal Public Awareness Program	Self-explanatory
<b>MU-13 Water storage tank</b>	<b>Redundant water storage tank for water supply in the City</b>
<b>MU-13 <u>Design</u> and Drill Water Well to Provide Water Supply</b>	<b>Redundant water supply supplementing surface water supply</b>
<b>MU-6 – Update Local Mitigation, Disaster Recovery, and All Hazards Planning Codes</b>	<b>Update or prepare and adopt in the City (and County) Codes: <u>Fire</u> Safety standards; Flood Hazard prevention; grading, drainage, and erosion control standards; post-disaster recovery standards</b>
D-7 Reclaimed Water Line	Use reclaimed water for irrigation, possibly fire suppression
D-7 <u>Retrofit</u> Water Supply Systems	See preceding
<b>WF-7 Create Defensible Space Around Structures and Infrastructure</b>	<b>Self-Explanatory</b>
<b>WF-8 <u>Conduct</u> Maintenance to Reduce Wildfire Risks</b>	<b>Self-Explanatory</b>
<b>WF-9 <u>Implement</u> a Fuels Management Program</b>	<b>Self-Explanatory</b>
<b>WF-11 <u>Increase</u> Wildfire Risk Awareness</b>	<b>Self-Explanatory</b>
WF-12 <u>Educate</u> Property Owners about Wildfire Mitigation Techniques	Self-Explanatory
<b>WF-12/MU-9 Private Property Owner Small Grant Mitigation Projects</b>	<b>Program to provide small grants to private property owners to undertake fuel load reduction or related hazard reduction programs on private property</b>
<b>F-15 <u>Sewer</u> and Water Line Relocation</b>	<b>East Trunk Sewer Line Project and Water Treatment Plant Generator</b>
F-18 <u>Flood</u> Zone Relocation of Fire Station 1	New fire station at new location where emergency response is not impeded by flood zone
<b>F-18/MU-13 <u>Redundant</u> Power Supply Project</b>	<b>Install Generators at City Hall/Emergency Operations Center and Fueling Station, Water Treatment Plant and Angels Lift Station</b>
<b>F-18 Redundant Data Storage Project</b>	<b>Provide cloud storage for City documentation to prevent loss from hazards</b>
<b>F-20/ER-5 <u>Protecting</u> and Restoring Natural Flood Mitigation Features</b>	<b>Repair erosion along Angels Creek/Finnegan Lane</b>
<b>WW-6/SW-7 <u>Severe</u> Weather Education for Vulnerable Populations</b>	<b>Self-Explanatory</b>



# HAZARD MITIGATION GRANT PROGRAM PLANNING SUBAPPLICATION

**DISASTER NUMBER:**

DR-4558

**JURISDICTION NAME:**

City of Angels

**PLAN TITLE:**

Update Local Mitigation, Disaster Recovery  
and All Hazards Planning Codes

**CONTROL NUMBER:**

PA-00000565

THE CONTROL NUMBER IS RECEIVED AT TIME OF SUCCESSFUL NOI SUBMITTAL



# *Cal* OES

**GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES**



U.S. Department of Homeland Security  
Region 9  
1111 Broadway, Suite 1200  
Oakland, California 94607

**FEMA**

July 14, 2022

Mark S. Ghilarducci, Director  
Governor's Authorized Representative  
California Governor's Office of Emergency Services  
3650 Schriever Avenue  
Mather, CA 95655

Reference: Application Approval, HMGP DR-4558-565-022P  
City of Angels  
7% City of Angels All Hazard Planning Code Update Project  
FIPS Code: 009-02112, Supplement 22

Dear Mark Ghilarducci:

We approve and issue Hazard Mitigation Grant Program (HMGP) funds for the City of Angels. HMGP DR-4558-565-022P, 7% City of Angels All Hazard Planning Code Update Project.

The total project cost is \$80,000. As shown in the enclosed Obligation Report – Supplement 22, we are obligating \$60,000 for the 75 percent Federal share; the 25 percent non-Federal share is \$20,000. These funds are available in SmartLink for immediate and eligible disbursements. The following is a summary of the approved funding:

Total Project Cost:	Federal Share (75%):	Non-Federal Share (25%):
\$80,000	\$60,000	\$20,000



# Background

Hired  
Interwest

Formed a  
Steering  
Committee

# Steering Committee

City Council member

Planning Commission member

Fire Department – Fire Chief,  
Fire Marshal

Police Department – Police Chief

City Engineer

City Planner

Public Works

City Administrator

# Primary Topics for Code Updates

Fire

Flood

Grading

Drainage and Erosion  
Control

Emergency Response/Heritage  
Roads



# All Codes

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Establish (e.g., Grading, Erosion Control)

Consolidate

Eliminate conflicts and redundancy

Consistency with state mandates

# Grading, Drainage, and Erosion Control

**NEW**

## **Grading, Drainage and Erosion Control Manual**

incorporated into the City  
Improvement Standards

General Plan: Adopting a grading  
ordinance with best management  
practices (6.A.l and 4.C.f, 4.G.a)



# NEW Section 15.30 Grading (8 pages)

- Implemented and enforced by the **City Engineer**



# 15.30 Grading Ordinance

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## **15.30.070 Anticipatory Grading**

**Grading in anticipation of new or expanded construction or development requiring a building or planning permit is prohibited.**

Upon receipt of an application for building or development requiring a permit; the City may, at its discretion, issue a grading permit prior to issuance of the pending entitlement. The City may request assurances as necessary to ensure site remediation should site development fail to occur within one year after grading commences or an extension is granted by the City.

15.30.08  
0  
Grading  
Permit  
Exemptions

Grading permit is **NOT REQUIRED**

- **Less than 50 cubic yards;**
- **Fills that include less than one acre of land area,** less than one foot in depth, natural terrain with a slope flatter than 1 vertical:5 horizontal (20%)
- **Cuts that include less than one acre of land area,** less than two feet below ground surface, no more than 50 cubic yards of material disposed off-site
- **Geotechnical, geological, or soil investigations**





junk removal c...



50 cubic  
yards



15.30.09  
0

# Grading Permit Exemptions

- **Maintenance of existing firebreaks, driveways, and roadways** with no significant grade or drainage changes
- **Trenching and grading incidental to the siting, construction or installation of City-approved underground utilities**
- **Permitted solid waste disposal facilities, mining, quarrying, processing, and sale of aggregate products**

15.30.09

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Grading

Permit

Exemptio

ns

- **Cemetery excavations** and fills for individual burials.
- **Planting and growing row or field crops.**  
Incorporate use of “best management practices”
- **Fuel reduction and fire protection measures** that do not substantially change the natural contour of the land and disturb less than one acre of soil.
- **Emergency work**

# 15.30.070 Grading Permit Requirements

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## **Permit Required:**

- If not exempted
- Requires engineered design
- Will obstruct the flow of water (e.g., dam construction, regardless of size), in a floodplain,
- Requires a streambed or lakebed alteration agreement under California Fish and Game Code Section 1600 et seq;
- Requires a United States Army Corps of Engineers permit under Section 10 or Section 404 of the federal Clean Water Act; or

# 15.30.070 Grading Permit Requirements

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- Subject to **California Environmental Quality Act (“CEQA”)** review;
- May:
  - a. Endanger a structure intended for human or animal occupancy
  - b. Threaten stability of any public roadway
  - c. Adversely impact existing drainage, water, sewer, or other public facilities
  - d. Exacerbate existing flood conditions
  - e. Divert or modify drainage onto an adjacent parcel

# Drainage and Erosion Control

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- Adopting standards for erosion control (6.A.m, 9.A.d)
- Requiring drainage plans and studies to evaluate impacts on downstream facilities (and stormwater runoff) (6.B.f, 7H.c)



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