



## Chapter 8.

# Pacifica School District

### 8.1 Hazard Mitigation Plan Point of Contact

#### Primary Point of Contact

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### 8.2 Jurisdiction Profile

#### 8.2.1 Overview

Pacifica School District is a public school district whose mission is to prepare each child to meet the challenges of the future by providing an equitable, rigorous academic program which nurtures curiosity and inspires joy, confidence, and achievement in learning. The District was founded in 1961 as the Laguna Salada School District and changed its name to Pacifica in 2004. The District, located along the San Mateo County coast just south of San Francisco, consists of six schools, an education center, and District administrative facilities serving grades kindergarten through 8th and serves approximately 3,000 students with a full-time staff of approximately 300 employees. The District has a resident population of approximately 37,000 according to the 2010 census data. Operations are funded through local parcel tax revenue, state government education funds, and grants. The District's Board has adoptive authority and the District's Superintendent has oversight for implementation of the HMP.

#### 8.2.2 Service Area and Trends

The District has a resident population of approximately 37,000 according to the 2010 census data and services an area of approximately 30 square miles.

Growth in student population at our schools is anticipated to be flat over the foreseeable future

#### 8.2.3 Assets

Table 8-1 summarizes the critical assets of the district and their value.



TABLE 8-1. SPECIAL DISTRICT ASSETS

Asset	Value
<b>Property (all figures are for buildings and contents)</b>	
Ortega School	unknown
Ingrid B Lacy Middle School	unknown
Sunset Ridge School	unknown
District Office	unknown
Valleamar School	unknown
Ocean Shore School	unknown
Cabrillo School	unknown
Linda Mar Education Center	unknown
Oddstad School	unknown
Fairmont School	unknown
<b>Total:</b>	unknown
<b>Critical Infrastructure and Equipment</b>	
Portable generators	\$5,000
UHF radio systems	\$25,000
<b>Total:</b>	<b>\$30,000</b>
<b>Critical Facilities</b>	
Ortega School	\$15,900,000
Ingrid B Lacy Middle School	\$20,200,000
Sunset Ridge School	\$17,000,000
District Office	\$3,600,000
Valleamar School	\$12,700,000
Ocean Shore School	\$12,700,000
Cabrillo School	\$13,750,000
Linda Mar Education Center	\$11,400,000
Oddstad School	\$9,500,000
Fairmont School	\$5,000,000
<b>Total:</b>	<b>\$121,780,000</b>

### 8.3 Planning and regulatory Capabilities

The following existing codes, ordinances, policies or plans are applicable to this hazard mitigation plan:

- ❖ California Education Code
- ❖ California Building Code as related to DSA-approved construction
- ❖ Local and regional laws and ordinances such as fire (Daly City municipal fire code) and water (North Coast County Water District)
- ❖ School District Integrated Pest Management Plan (IPM) – The IPM allows the Pacifica School District to focus on long-term prevention or suppression of pests through accurate pest identification,



monitoring for pest presence, and application of appropriate sanitation, mechanical, and physical controls.

- ❖ Comprehensive School Safety Plan, 2015-2016 – This document provides the basic organizational structure for emergency response to hazard and disaster events within the School District. It creates a standardized list of terms, delineates appropriate responsibilities, and identifies response procedures. This document contains actions specific to natural, manmade, and technological hazards.
  - Additionally, each building within the school district has its own site-specific safety plan that addresses factors and responses unique to that location.
- ❖ Injury and Illness Prevention Plan – This document focuses on the School District’s plans and procedures to maintain a safe and healthful work environment. It includes goals, compliance requirements, hazard identification, accident investigation, hazard mitigation, training, hazard communication, and program documentation.

## 8.4 Fiscal, ADMINISTRATIVE and TECHNICAL Capabilities

An assessment of fiscal capabilities is presented in Table 8-2. An assessment of administrative and technical capabilities is presented in Table 8-3.

TABLE 8-2. FISCAL CAPABILITY

Financial Resources	Accessible or Eligible to Use?
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes
User Fees for Water, Sewer, Gas or Electric Service	No
Incur Debt through General Obligation Bonds	Yes
Incur Debt through Special Tax Bonds	Yes
Incur Debt through Private Activity Bonds	No
State-Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	Yes
Other	N/A

TABLE 8-3. ADMINISTRATIVE AND TECHNICAL CAPABILITY

Staff/Personnel Resources	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	No	No in-house capability, City resources not available to us for this purpose
Engineers or professionals trained in building or infrastructure construction practices	No	No in-house capability, City resources not available to us for this purpose
Planners or engineers with an understanding of natural hazards	No	No in-house capability, City resources not available to us for this purpose
Staff with training in benefit/cost analysis	No	No in-house capability, City resources not available to us for this purpose



Staff/Personnel Resources	Available?	Department/Agency/Position
Surveyors	No	No in-house capability, City resources not available to us for this purpose
Personnel skilled or trained in GIS applications	No	No in-house capability, City resources not available to us for this purpose
Scientist familiar with natural hazards in local area	No	No in-house capability, City resources not available to us for this purpose
Emergency manager	Yes	Director of Facilities
Grant writers	Yes	District Administrator
Other	No	

## 8.5 Education and Outreach Capabilities

An assessment of education and outreach capabilities is presented in Table 8-6.

TABLE 8-6. EDUCATION AND OUTREACH

Criteria	Response
Do you have a Public Information Officer or Communications Office?	No
Do you have personnel skilled or trained in website development?	Yes, IT department staff
Do you have hazard mitigation information available on your website?	No
Do you utilize social media for hazard mitigation education and outreach?	No
Do you have any citizen boards or commissions that address issues related to hazard mitigation?	No
Do you have any other programs already in place that could be used to communicate hazard-related information?	Yes
• If yes, please briefly describe.	District website
Do you have any established warning systems for hazard events?	Yes
• If yes, please briefly describe.	Voice/text/email notification systems

## 8.6 Integration with Other Planning Initiatives

The following describe the jurisdiction's process for integrating the hazard mitigation plan into existing plans and programs.

### 8.6.1 Existing Integration

The following plans and programs currently integrate the goals, risk assessment and/or recommendations of the hazard mitigation plan:

- ❖ Injury and Illness Prevention Plan includes hazard identification and mitigation/correction projects as a core part of the document.



## 8.6.2 Opportunities for Future Integration

The following plans and programs do not currently integrate the goals, risk assessment and/or recommendations of the hazard mitigation plan, but provide an opportunity for future integration:

- ❖ Capital Project Plan can incorporate hazard mitigation projects and projects can consider the incorporation of hazard mitigation measures into their scopes
- ❖ Injury and Illness Prevention Plan could provide more detail on hazards most likely to impact the school locations and which mitigation projects would be most beneficial to the District.
- ❖ Public Outreach – The Pacifica School District recognizes that there are currently public information opportunities available to facilitate public engagement regarding hazard mitigation. The School District will look into developing a more robust and targeted program that involves using current capabilities to expand and enhance outreach to local residents and students.

## 8.7 Jurisdiction-Specific Natural Hazard Event History

Table 8-5 lists all past occurrences of natural hazards within the jurisdiction.

TABLE 8-5. NATURAL HAZARD EVENTS

Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Severe weather		1/2016	No significant damage
Wildfire		1/2015	No damage
Severe storm		12/14/2014	No significant damage
Tsunami warning		3/11/2011	No damage
Fire	FM-2856	9/10/2010	No significant damage
Severe storm	DR-1646	6/5/2006	No significant damage
Severe storm	DR-1628	2/3/2006	No significant damage
Severe storm	DR-1203	2/9/1998	No significant damage
Severe storm	DR-1155	1/4/1997	No significant damage
Severe storm	DR-1046	3/12/1995	No significant damage
Severe storm	DR-1044	1/10/1995	No significant damage
Freezing	DR-894	2/11/1991	unknown
Earthquake	DR-845	10/18/1989	unknown
Flood	DR-758	2/21/1986	unknown
Coastal storm	DR-677	2/9/1983	unknown
Flood	DR-651	1/7/1982	unknown
Drought	EM-3023	1/20/1977	unknown
Flood	DR-145	2/25/1963	unknown
Severe storm	DR-138	10/24/1962	unknown

## 8.8 Jurisdiction-Specific Vulnerabilities

Noted vulnerabilities the jurisdiction include:



- ❖ All sites subject to damage from flooding if City of Pacifica's storm water management infrastructure in the immediate area of each site is overwhelmed. Cabrillo, Ortega, Vallemar, and Sunset Ridge schools also are adjacent to hills with significant slopes that could channel runoff into site structures and create water damage.
- ❖ All sites subject to damage from severe weather. All sites with exception of District Office complex and Ingrid B Lacy have tall trees on property with potential to damage nearby structures if they fall.
- ❖ All sites subject to earthquake damage to structures. Most structures are single-story, 40-50 years old, either wood, plasterboard, and/or partial brick with only a few receiving seismic upgrades. Ingrid B Lacy gym is reinforced concrete constructed in 2002.
- ❖ Cabrillo, Ingrid B Lacy, and Vallemar schools subject to tsunami inundation because they are within tsunami evacuation zones

## 8.9 Hazard Risk Ranking

Table 8-6 presents the ranking of the hazards of concern.

TABLE 8-6. HAZARD RISK RANKING

Rank	Hazard Type	Risk Rating Score (Probability x Impact)	Category
1	Earthquake	48	High
2	Severe weather	33	Medium
3	Landslide	24	Medium
4	Flooding	18	Medium
5	Tsunami	18	Medium
6	Wildfire	18	Medium
7	Drought	3	Low
8	Dam failure	0	Low

## 8.10 Hazard Mitigation Action Plan and Evaluation of Recommended Actions

Table 8-7 lists the actions that make up the Pacifica School District hazard mitigation action plan. Table 8-8 identifies the priority for each action. Table 8-9 summarizes the mitigation actions by hazard of concern and the six mitigation types.

TABLE 8-7. HAZARD MITIGATION ACTION PLAN MATRIX

Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
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**Action 1**—Retain consultant to assist PSD with addressing specific vulnerable areas and identifying hazard mitigation measures that can be incorporated in the district's Capital Improvement Plan and are in congruence with and can be incorporated into hazard mitigation measures adopted by Pacifica school district, City of Pacifica, San Mateo County, and other regional, state, and federal agencies.



Applies to new or existing assets	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline
New and existing	All	1,2,4,5,6,7,8,10	PSD Facilities	High	Staff time, general funds	Long-term
<b>Action 2</b> —Develop and implement a program to capture perishable data after significant events (e.g. high water marks, preliminary damage estimates, damage photos) to support future mitigation efforts including the implementation and maintenance of the hazard mitigation plan.						
Existing	All	1,3,4,5,6,7	PSD Facilities	Medium	Staff time, general funds	Short-term
<b>Action 3</b> —Support County-wide initiatives identified in Volume I of the hazard mitigation plan.						
Existing	All	1 through 10	Lead contact department for Plan	Low	Staff time, general funds	Short-term
<b>Action 4</b> —Actively participate in the plan maintenance protocols outlined in Volume I of the hazard mitigation plan.						
New and existing	All	1 through 10	Lead contact department for Plan	Low	Staff time, general funds	Short-term
<b>Action 5</b> —Develop a post-disaster recovery plan and a debris management plan that is in congruence with the District’s Continuity of Operations Plan to be developed.						
Existing	All	1,2,3,7,8	PSD Facilities	Medium	Staff time, general funds	Long-term

TABLE 8-8. MITIGATION STRATEGY PRIORITY SCHEDULE

Action #	# of Objectives Met	Benefits	Costs	Do Benefits Equal or Exceed Costs?	Is Project Grant-Eligible?	Can Project Be Funded Under Existing Programs/Budgets?	Implementation Priority <sup>a</sup>	Grant Priority <sup>a</sup>
1	8	High	High	Yes	No	Maybe	High	N/A
2	6	Medium	Medium	Yes	No	Maybe	Medium	N/A
3	10	Low	Low	Yes	No	Yes	Low	N/A
4	10	Low	Low	Yes	No	Yes	Low	N/A
5	5	Medium	Medium	Yes	No	Maybe	Medium	N/A

a. See the introduction to this volume for explanation of priorities.



TABLE 8-9. ANALYSIS OF MITIGATION ACTIONS

Hazard Type	Action Addressing Hazard, by Mitigation Type <sup>a</sup>					
	1. Prevention	2. Property Protection	3. Public Education and Awareness	4. Natural Resource Protection	5. Emergency Services	6. Structural Projects
Flooding	1,2,3	1,2,3	1,2,5	1,3	1,5	1,2,3
Severe weather	1,2,3	1,2,3	1,2,5	1,3	1,5	1,2,3
Earthquake	1,2,3	1,2,3	1,2,5	1,3	1,5	1,2,3
Tsunami	1,2,3	1,2,3	1,2,5	1,3	1,5	1,2,3
Landslide	1,2,3	1,2,3	1,2,5	1,3	1,5	1,2,3
Drought	1,2,3	1,2,3	1,2,5	1,3	1,5	1,2,3
Wildfire	1,2,3	1,2,3	1,2,5	1,3	1,5	1,2,3
Dam failure	N/A	N/A	N/A	N/A	N/A	N/A

a. See the introduction to this volume for explanation of mitigation types.

## 8.11 Future Needs to Better Understand Risk/Vulnerability

Professional advice as to specific risks and vulnerabilities that we face at our sites and opportunities and means to mitigate them.