

Introduction

This Annex of the SCOE Multi-Jurisdictional Hazard Mitigation Plan (MJHMP) details the hazard mitigation planning elements specific to the Old Adobe Union School District, as a participating jurisdiction to the 2021 Sonoma County Office of Education MJHMP. This Annex is not intended to be a standalone document but appends to and supplements the information contained in the SCOE MJHMP Base Plan document. As such, all sections of the Base Plan, including the planning process and other procedural requirements apply to and were met by this school district. This Annex provides additional information specific to Old Adobe Union School District with a focus on providing additional details on the planning process, risk assessment, and mitigation strategy.

Planning Process

In coordination with the Executive Planning Team discussed in Part 1: Planning Process of the Base Plan, district representatives followed the planning process. In addition to providing representation on the Executive Planning Team, the district representative shared hazard information and draft plans within the district. The table below indicates the steps in the planning process and the representative's involvement.

Table: District Planning Team Participation

	Research and Writing of Plan	Executive Planning Team Kick-Off Meeting: February 11 or 12, 2020	Area Planning Team Meeting: April 27 or 28, 2020	One on One Meeting with Individual Planning Entity (May 2020)	Executive Planning Team Meeting to Review and Contribute to First Draft Plan (February 11 or 25, 2021)	Distribute Second Draft Plan to General Public and External Agencies	Review Input From Public, and External Agencies of the Second Draft Plan	Submit Third Draft Plan to Cal OES/FEMA for Approval Pending Adoption	Distribute Fourth Draft Plan to General Public and External Agencies	Post Final Draft Plan in Advance of Board of Education Meetings	Present Final Draft Plan to Boards of Education at Public Meeting for Plan Adoption	Submit Proof of Adoptions to FEMA for Final Approval	Incorporate FEMA Approval into Final Plan
Agency and Name of Attendee													
Old Adobe Union School District													
Kurt Walker, CBO		X		X	X	X	X						

District Profile

The profile includes an overview of the district, population, geography, and climate.

According to the Local Accountability Plan and Annual Update (LCAP), La Tercera Elementary School is the first elementary STEM school in Sonoma County. As a STEM (science, technology, engineering, math) focused school, we are creating the next generation of innovators. We offer all students different ways of learning with a ‘hands-on’ approach to learning. With pride, energy, engagement, perseverance and ownership of learning, our La Tercera students prepare for the future using out-of-the-box thinking to do amazing things while a student in our learning community. We offer a dedicated science lab, and science teacher. Students have opportunities for hands on, deep level, and meaningful understanding with project-based learning, Pearson Project STEM kits and FOSS Science. Science and science journal writing is deeply embedded in our classroom core curriculum. Our teachers and staff have created a learning community that is preparing students for 21st Century careers and college readiness. Our LEA serves to provide our community the needed support to provide an equitable opportunity for all our students to have a 21st-century learning environment.

Our vision for our students is bold and bright. La Tercera graduates will be independent and collaborative solution seekers who are resilient, respectful, academically successful and responsible citizens of the world. We accomplish this mission because we have committed professionals, from teachers to campus aides, who are passionate about their calling. School is not just a place where we work, it is a place to change the world by impacting the lives of the children in our care. At La Tercera, we value the close bond we have with parents. We understand that home and school relationships are essential to student success. Parents in the classroom, parents on field trips and parents as members of PTA; your child knowing you are an active collaborator in their learning community is very important.

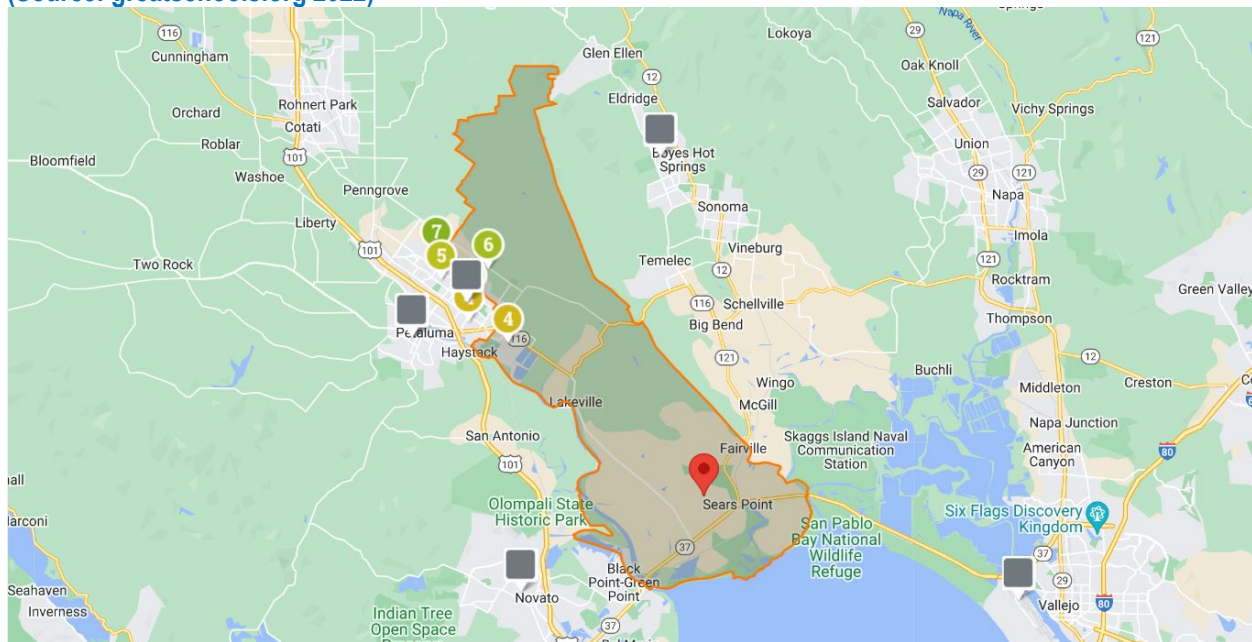
La Tercera is a family-friendly school, of approximately 350 diverse students (41% Hispanic, 45.5%White, 25.4% English Learner, 53.8% Socioeconomically Disadvantaged), located in a park-like setting in Petaluma. Ongoing school improvement is a major emphasis as we prepare students for life in the 21st century. Our vision for our students is that they will be independent and collaborative solution seekers who are resilient, respectful, flexible and academically successful citizens of the world. Though we value high test scores, the major thrust at La Tercera is to provide students a well-rounded education. As the first STEM school in Sonoma County, we offer an integrated focus in Science, Technology, Engineering and Mathematics (STEM.) We have a fully dedicated Science Lab with a certificated science teacher who works collaboratively with classroom teachers to provide hands-on instruction in an authentic setting. We also have a fully functioning Makerspace that is volunteer and teacher-led and run and provides our students a unique space in which to design and create solutions to Project-based learning questions as well as tinker. These spaces are at the heart of our engagement and focus to content instruction. We focus on opportunities for students to take real life experiences and make connections to new information. Our teachers focus on developing lifelong learners whose sense of pride in achievement is intrinsically motivated by an enjoyment and appreciation of learning.

We believe that the social-emotional development of every child in our care is equally, and sometimes, more impactful than our content work with our students. We support a program called Mentor Me Petaluma, created in 2007, where students have the opportunity to work with an adult mentor weekly in order to enhance the students’ connection to school and the community. We have a very active Student Council that puts on regular student led events throughout the school

year. As our second-language population increases, we continually work on methods and strategies to close the achievement gap while simultaneously using our diversity as a way to strengthen the La Tercera community. Our PTA and ELAC are active and strong supporters of our vision and mission for students. We are developing a Learning Center model for our RTI and EL to provide a more student-support approach to intervention rather than a discrepancy model.

To meet the needs of the 21st Century workforce, we emphasize Science, Technology, Engineering, and Math (STEM) learning. La Tercera Mission Statement: By providing quality education, La Tercera will empower individuals to become caring, competent, responsible citizens who value education as a lifelong process. La Tercera is a school that ensures equal access and opportunity for all students. A school that creates a passion for learning and intellectual curiosity. A school campus that is inviting and safe. A school that promotes critical thinking and enables students to make informed decisions while challenging them to reach their full potential. A school that creates technologically literate students. A school that creates rich experiences in music and the arts. A school that promotes physical and mental wellness. A school that models and promotes personal responsibility. A school that encourages strong community relationships and fosters students to become moral, ethical, compassionate people who care about the world around them. This is La Tercera, a STEM elementary school.

Map: District Location
(Source: greatschools.org 2022)



Overview

Old Adobe Union School District is a public school district located in the city of Petaluma, California and includes five (5) schools, in addition to the school district offices. The school district's offices are located at 845 Crinella Drive, Petaluma, CA 94954.

The district's assets are as follows:

# Buildings	90
Property Value	\$48,282,691
Contents Value	\$6,978,197
Total Value	\$55,260,888

Geography and Climate

According to the 2021 Sonoma County Multijurisdictional Hazard Mitigation Plan, the following information identifies the geography and climate of the project area.

Geography

The broad, flat Santa Rosa Plain, which lies between the Sonoma Mountains on the east and low coastal hills on the west, contains the cities of Santa Rosa, Rohnert Park, and Cotati. The sparsely settled coastal area of the county includes redwood and mixed conifer forests in the north and rolling oak woodland, dairy lands, and coastal prairies in the south. The Mayacamas Range forms the eastern boundary of the county. The Mayacamas and Sonoma Mountain ranges enclose the Sonoma Valley or "Valley of the Moon," which extends from near Santa Rosa southeast to the City of Sonoma and San Pablo Bay. In the north, the Mayacamas Range and Mendocino Highlands surround the farming regions of Alexander and Dry Creek Valleys. In the far northeast, the remote interior of the Mayacamas Range contains the Geysers geothermal steam field.

The topography in the county is varied and includes mountainous areas, rolling hills and broad flat river valleys, and bay flats. The valleys and foothills are predominantly in agricultural uses with some urbanized areas and with a dense population. The county contains numerous watersheds, but the Russian River is the largest and most significant, draining over 1,485 square miles as it flows south from Mendocino County to the Pacific Ocean. The Russian River is the primary water supply and a key attraction to many communities along its banks. The Petaluma River connects to San Pablo Bay and thence to the San Francisco Bay in the south. Lake Sonoma is a dam-created reservoir on Dry Creek in the northwest part of the county.

Sonoma County is on the coast of the Pacific Ocean, north of San Francisco Bay. Santa Rosa lies in the county's central valley near the junction of the Mantanzas and Santa Rosa Creeks, which flow to the west from hills that surround a large central valley (U.S. Soil Conservation Service 1972). In general, the northern half of the county is made up of small, rugged mountains that begin at the coast and rise to an elevation of 3,500 to 4,400 feet. The Russian River flows from Mendocino County in a southeasterly direction through the north-central half of Sonoma County and then turns west a few miles south of Healdsburg. Eventually, after passing through the large resort and recreational areas surrounding Guerneville and Monte Rio, this river empties into the Pacific Ocean.

The western part of the southern half of Sonoma County generally is low, rolling grassy hills at an elevation of 500 to 600 feet. The cities of Petaluma and Sonoma are in long narrow valleys in the southwestern and southeastern parts of the county, respectively. East of the Sonoma Plains and on both sides of the Sonoma Valley are grass-covered hills that rise to about 2,000 feet. Tidal flats reclaimed from the San Pablo Bay are at the lower ends of Sonoma and Petaluma Valleys and the Petaluma plains area.

Climate

Sonoma County's Mediterranean climate is characterized by a summer dry season followed by a winter rainy season, generally extending from November to April. Rainfall varies throughout the county from 70 to 20 inches annually in the north central and the southeastern sections of the county. The quantity of rainfall in the county increases with elevation, with the greatest precipitation occurring over the highest ridges. The valleys, where most of the water users are located, receive considerably less rainfall with some areas averaging just over 20 inches of precipitation annually. In the Russian River Watershed, approximately 93 percent of the annual precipitation normally falls during the wet season, October to May, with a large percentage of the rainfall typically occurring during three or four major winter storms. These major storms often come in the form of an atmospheric river, the horizontal transport of large amounts of water vapor through the atmosphere along a narrow corridor. Although brief, atmospheric rivers can produce 30 to 50 percent of the region's annual precipitation in a matter of a few days.

Except for areas immediately along the coast, the weather from May through October is generally warm and dry during the day, with peak summer day temperatures of 80° to 100° F, and relative humidity ranging between 20 and 35 percent. Gradient winds are generally out of the south/southwest at 5 to 10 mph, strengthening to 10 to 15 mph in late afternoon and diminishing by dark. Strong and dry northeast "Santa Ana" or "Foehn" winds often occur in the fall months.

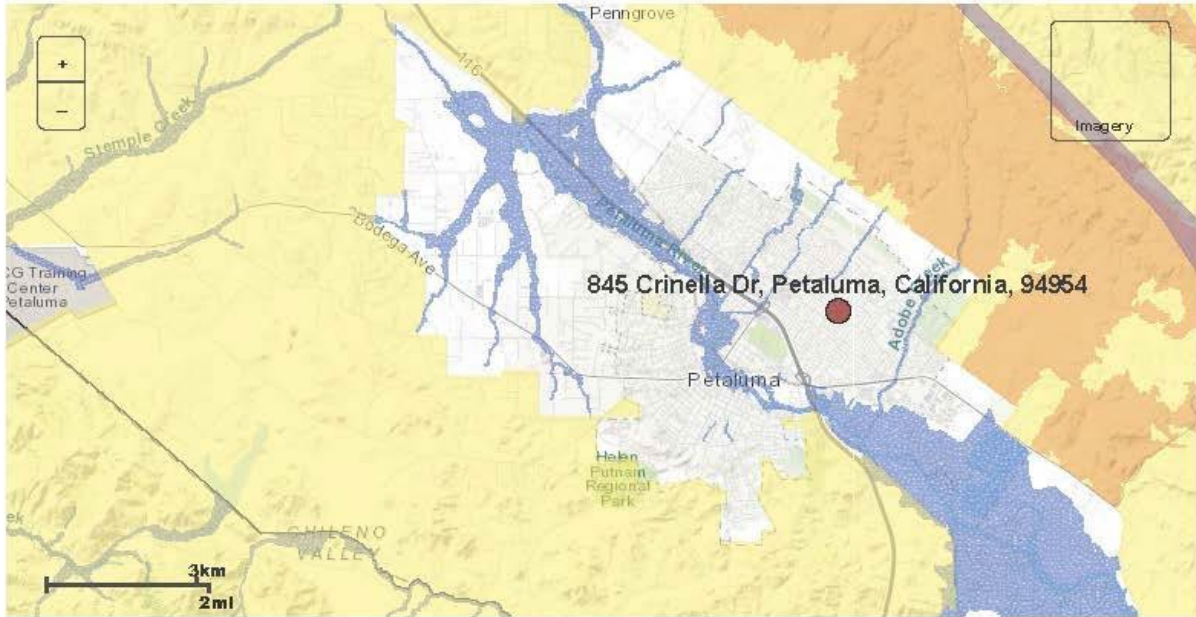
Coastal onshore flow, often accompanied by fog, frequently prevails after sunset, allowing for good nighttime relative humidity recovery in the warm inland areas. In the inland valleys, fog usually dissipates by 11:00 am. Fog in the county usually is seen at elevations between 1,000 and 1,500 feet. Elevations above this often do not experience fog or receive the same nighttime cooling and moisture recovery as lower elevations.

Hazard Map

Utilizing California's "MyHazards" online hazard mapping resource, the following map identifies earthquake, flooding, liquefaction, and wildfire threats. MyHazards was designed by the State of California as a tool for the general public to discover hazards in their area (earthquake, flood, fire, and tsunami) and learn steps to reduce personal risk. Using the MyHazards tool, users may enter an address, city, zip code, or may select a location from a map. The map targets the location and allows users to zoom and scroll to their desired view. The screen then presents information on the risks identified within the search radius, and recommended actions. MyHazards website performs best when using Internet Explorer. Hazard Data is approximate and data layer visibility are subject to the extent of the Map. To access MyHazards to create a map of your own, follow the link to MyHazards (<https://myhazards.caloes.ca.gov/>).

Below is the MyHazards map prepared for the Old Adobe Union School District.

Map: MyHazards for Old Adobe Union School District
(Source: Cal OES 2022)



TsunamiHazardAreas_July2021



State Responsibility Areas (2007), Severity

-  SRA, Very High
-  SRA, High
-  SRA, Moderate


Liquefaction Zone of Required Investigation

-  Liquefaction Zone Area

Earthquake Fault Zone of Required Investigation



100-Year Floodplains

-  FEMA/DWR Awareness/Regional Studies /USACE Comprehensive Study

The State Responsibility Area (SRA) is the area of the state where the State of California is financially responsible for the prevention and suppression of wildfires. SRA does not include lands within city boundaries or in federal ownership. FEMA's Flood Map Service Center (<https://msc.fema.gov/portal/>)

Hazard Identification and Profile

The SCOE Executive Team identified hazards posing a significant threat to the entire project area (Sonoma County). That determination was based on reviewing the State Hazard Mitigation Plan and the 2021 Sonoma County Multijurisdictional Hazard Mitigation Plan. After a review of each of the hazards from both plans, the Executive Team chose to omit climate change, severe weather, and sea level rise. (See Base Plan – Risk Assessment for discussion on the omissions.

In summary, the Executive Team identified the project area hazards as: earthquake, flood, landslide, wildfire, tsunami, epidemic/pandemic/vector-borne diseases, and utility related.

Next, the Executive Team utilized a hazard ranking tool known as the Calculated Priority Risk Index. As a whole, the Executive Team completed a CPRI for the project area. The CPRI instructions, key, and results are located in the Base Plan – Risk Assessment. The Base Plan also includes a hazard assessment for each of the identified hazards including hazard identification, previous occurrences, local conditions, impacts, and vulnerabilities.

Then, each of the district representatives was provided a list of the identified hazards, a copy of the project area CPRI, instructions, and index key to complete a district-specific CPRI with the assistance of district staff.

The results were used to prioritize hazard rankings (high, medium, and low) which drove development of the District’s Mitigation Actions Matrix (located at the end of the Annex).

Following is the Old Adobe Union School District-specific CPRI and the CPRI Index Key which explains the rating system:

Table: Old Adobe Union School District CPRI

Hazard	Probability	Weighted 45% (x.45)	Magnitude Severity	Weighted 30% (x.3)	Warning Time	Weighted 15% (x.15)	Duration	Weighted 10% (x.1)	CPRI Total	Priority Ranking (H=High, M=Medium, L=Low) *
Earthquake	3	1.35	4	1.20	4	0.60	4	0.40	3.55	H
Flood	2	0.90	3	0.90	4	0.60	3	0.30	2.70	M
Landslide	1	0.45	1	0.30	1	0.15	1	0.10	1.00	N/A
Wildfire	3	1.35	4	1.20	3	0.45	4	0.40	3.40	H
Tsunami	1	0.45	1	0.30	1	0.15	1	0.10	1.00	N/A
Utility Related	4	1.80	4	1.20	3	0.45	4	0.40	3.85	H
Epidemic / Pandemic / Vector-Borne Diseases	4	1.80	4	1.20	2	0.30	4	0.40	3.70	H

* **Rankings:**

High = CPRI score for probability + magnitude/severity (impact) = 6 or higher

Medium = CPRI score for probability + magnitude/severity (impact) = 5

Low = CPRI score for probability + magnitude/severity (impact) = 3 or 4

N/A = CPRI score for probability + magnitude/severity (impact) = 2

Following is the Index Key used to determine risk:

Table: Calculated Priority Risk Index Key

CPRI Category	Degree of Risk			Assigned Weighting Factor
	Level ID	Description	Index Value	
Probability	Unlikely	Extremely rare with no documented history of occurrences or events. Annual probability of less than 1 in 1,000 years.	1	45%
	Possibly	Rare occurrences. Annual probability of between 1 in 100 years and 1 in 1,000 years.	2	
	Likely	Occasional occurrences with at least 2 or more documented historic events. Annual probability of between 1 in 10 years and 1 in 100 years.	3	
	Highly Likely	Frequent events with a well-documented history of occurrence. Annual probability of greater than 1 every year.	4	
Magnitude/ Severity	Negligible	Negligible property damage (less than 5% of critical and non-critical facilities and infrastructure). Injuries or illnesses are treatable with first aid and there are no deaths. Negligible loss of quality of life. Shut down of critical public facilities for less than 24 hours.	1	30%
	Limited	Slight property damage (greater than 5% and less than 25% of critical and non-critical facilities and infrastructure). Injuries or illnesses do not result in permanent disability, and there are no deaths. Moderate loss of quality of life. Shut down of critical public facilities for more than 1 day and less than 1 week.	2	
	Critical	Moderate property damage (greater than 25% and less than 50% of critical and non-critical facilities and infrastructure). Injuries or illnesses result in permanent disability and at least 1 death. Shut down of critical public facilities for more than 1 week and less than 1 month.	3	
	Catastrophic	Severe property damage (greater than 50% of critical and non-critical facilities and infrastructure). Injuries and illnesses result in permanent disability and multiple deaths. Shut down of critical public facilities for more than 1 month.	4	
Warning Time	> 24 hours	Population will receive greater than 24 hours of warning.	1	15%
	12-24 hours	Population will receive between 12-24 hours of warning.	2	
	6-12 hours	Population will receive between 6-12 hours of warning.	3	
	< 6 hours	Population will receive less than 6 hours of warning.	4	
Duration	< 6 hours	Disaster event will last less than 6 hours	1	10%
	< 24 hours	Disaster event will last less than 6-24 hours	2	
	< 1 week	Disaster event will last between 24 hours and 1 week.	3	
	> 1 week	Disaster event will last more than 1 week	4	

Hazard Profile

The Base Plan – Risk Assessment described hazards by location, extent, probability, and recent occurrence. Table: Hazard Profile from the Base Plan was customized below for Old Adobe Union School District’s identified hazards.

Table: Hazard Profile of Location, Extent, Probability, and Recent Occurrence for Old Adobe Union School District

Hazard	Location (Where)	Extent (How Big an Event)	Probability (How Often) *	Recent Occurrence
Earthquake	Entire District	The Southern California Earthquake Center (SCEC) in 2007 concluded that there is a 99.7 % probability that an earthquake of M6.7 or greater will hit California within 30 years. ¹	Likely	2014 – West Napa Earthquake M6.0
Wildfire	Entire District	Moderate to Very High Fire Hazard Severity Zone ratings.	Likely	2020 - LNU Lightning Complex Fire
Flood	District facilities located near a 100-year flood zone.	100-Year Flood Zone areas subject to inundation, flooding, and flash flooding.	Possibly	2019 – Russian River
Utility Related	Entire District	Impacts would range from mild to severe throughout the district.	Highly Likely	2019 – Kincade Fire
Epidemic/Pandemic / Vector-Borne Diseases	Entire District	Uncontrollable virus infecting a large portion of the population with fatality rates greater than 2.0%.	Highly Likely	2020 – Present COVID-19 Pandemic
* Probability is defined as: Unlikely = 1:1,000 years, Possibly = 1:100-1:1,000 years, Likely = 1:10-1:100 years, Highly Likely = 1:1 year				
¹ Uniform California Earthquake Rupture Forecast				

Critical and Essential Facilities List

The Critical and Essential Facilities List was prepared for each of the district offices and facilities within the project area. Hazard maps from the 2021 Sonoma County HMP were used as a basis for determining whether or not a facility was located in or near a hazard. See additional language below on vulnerability to the identified hazards.

Table: Hazard Proximity to Critical and Essential Facilities
 (Source: Emergency Planning Consultants)

Y – Yes, area is within hazard zone

N – No, area is not within hazard zone

Agency and Facility	Earthquake	Wildfire	Landslide	Flood*	Tsunami	Utility Related	Epidemic/Pandemic
Old Adobe Union School District Office	Y	Y	N	Y	N	Y	Y
La Tercera School (SE)	Y	Y	N	Y	N	Y	Y
Loma Vista Immersion Academy (SE)	Y	Y	N	Y	N	Y	Y
Miwok Valley Elementary Charter School	Y	Y	N	Y	N	Y	Y
Old Adobe Charter School	Y	Y	N	Y	N	Y	Y
Sonoma Mountain Charter School	Y	Y	N	Y	N	Y	Y

* See Base Plan for information regarding NFIP regulations.

Summary of Vulnerability

The SCOE Base Plan – Risk Assessment provides a complete risk and vulnerability assessment for each of the project area hazards.

Following is a summary of vulnerability to the hazards identified as impacting the Old Adobe Union School District Offices, La Tercera School (SE), Loma Vista Immersion Academy (SE), Miwok Valley Elementary Charter School, Old Adobe Charter School, and Sonoma Mountain Charter School including a total of approximately 2,234 occupants, 90 buildings, and property/content valued at \$55,260,888. Note: these estimates are based on 2023.

Earthquake

- School and administrative buildings are built to withstand strong earthquakes. Non-structural hazards can still cause serious injury and damage.

Wildfire

- Schools and administrative buildings located in or near the wildland urban interface area must maintain situation awareness concerning the outbreak of a nearby wildfire. The wildfire hazard is one of the highest priority hazards in the County and is the hazard with the greatest potential for catastrophic loss. High fuel loads in the County, along with geographical and topographical features, create the potential for both natural and human-caused fires that can result in loss of life and property. These factors, combined with natural weather conditions common to the area, including periods of drought, high

temperatures, low relative humidity, and periodic winds, can result in frequent and sometimes catastrophic fires. The more urbanized areas within the County are not immune from fire. The dry vegetation and hot and sometimes windy weather, combined with continued growth in the WUI areas, results in an increase in the number of ignitions. Any fire, once ignited, has the potential to quickly become a large, out-of-control fire. As development continues throughout the County, especially in these interface areas, the risk and vulnerability to wildfires will likely increase.

Flood

- Floods within streams and floodplains have been a part of the district's historical past and could continue to be so in the future. During winter months, long periods of precipitation and the timing of that precipitation are critical in determining the threat of flood, and these characteristics further dictate the potential for widespread structural and property damage. As waterways grow in size from local drainage, so grows the threat of flooding.
- Flooding can also occur in random areas not associated with streams and floodplains. Primary concerns associated with stormwater (localized) flooding include impacts to infrastructure that provides a means of ingress and egress throughout the School, as well as damage to schools and administrative properties. Ground saturation can result in instability, collapse, or other damage to trees, structures, roadways and other critical infrastructure. Floodwater can break utility lines and interrupt services. Standing water can cause damage to roads used to transport staff and students and can also damage school foundations.

Utility Related

- Child nutrition storage areas could be without generation to preserve food during power outages.
- Power outage could impact functionality of systems and infrastructure.
- Severe drought conditions could compromise water supply and quality.

Epidemic / Pandemic / Vector-Borne Diseases

- Future outbreaks like COVID-19 can take place in the future.
- Social distancing could require remote learning.
- Illness could limit availability of students and staff.

Mitigation actions are located at the end of this Annex that directly address these vulnerabilities.

Capability Assessment

The district will incorporate mitigation planning as an integral component of daily operations. This will be accomplished through the leadership of the district representative in coordination with district departments involved in integrating mitigation strategies into their planning documents and operational guidelines. FEMA identifies four types of capabilities (see Base Plan for definitions of the four capabilities):

- ✓ Planning and Regulatory
- ✓ Administrative and Technical
- ✓ Financial
- ✓ Education and Outreach

The table below includes a broad range of capabilities within the district to successfully accomplish mitigation.

Table: Capability Assessment for Old Adobe Union School District

Type of Capability				Name of Capability	Capability Description and Ability to Support Mitigation
Planning & Regulatory	Administrative & Technical	Financial	Education & Outreach		
Departments					
X	X	X	X	Superintendent	The Superintendent is instrumental in facilitating the implementation of the Mitigation Actions Matrix. This includes managing communications with parents and staff providing an excellent medium for educating the community on hazards and mitigation activities. The Superintendent is tasked to lead several of the mitigation action items in the 2023 District Annex.
X	X	X	X	Board of Education	The Board of Education is responsible for governing and overseeing the management of the public schools of the district. The Board may adopt rules and bylaws necessary to carry out these powers and duties. The Board may be assigned to approve many of the Mitigation Actions as they are implemented. The Board meetings are open to the public making it an excellent medium for informing attendees on mitigation related activities.
X	X	X		Facilities and Maintenance Departments	FM has the responsibility to provide the best possible facility-related environment for students and staff. This involves the continuous assessment of the needs of the schools and the development of plans to meet those needs. In addition, FM works to identify all available fund sources required to make significant capital improvements for the campuses. Working closely with our architects and engineers, FM develops detailed plans and specifications which must meet very stringent requirements. FM can immediately incorporate many of the Mitigation Action into building designs. Also, FM will share new mitigation-related building standards with the MJHMP Planning Team for inclusion in future updates to the plan. FM is assigned to lead the majority of the Mitigation Actions identified in the 2023 District Annex.
	X	X		Business Office	Provides administrative direction and evaluation to all major business functions including fiscal and payroll, bond programs, and support collective bargaining functions as required. Will be instrumental in seeking and administering grants and other funding mechanisms critical to the implementation of the plan.
	X			Human Resources	Provides administrative direction and evaluation for employee recruitment, selection and performance management of all District personnel; collective bargaining and contract management; and administration of health and welfare benefits and Workers' Compensation.
	X		X	Technology	Plans, organizes, controls and directs the District's Technology program in support of future ready classrooms and student centered learning environments; assists with the selection and implementation of computing platforms, mobile devices and

Type of Capability				Name of Capability	Capability Description and Ability to Support Mitigation
Planning & Regulatory	Administrative & Technical	Financial	Education & Outreach		
					applications, and related technology for the District's instructional and administrative needs; provides leadership in the development of information management systems, network services, voice and data applications, cloud services, mobile device management and instructional technology; and performs related work as required.
Plans and Programs					
X	X	X	X	Annual Budget	The Annual Budget and its associated review, update, and approval process provide a plethora of opportunities to explain detailed tasks, priorities, and spending allocations for the projects, programs, and equipment supporting the efforts of the district. Many of the District's ongoing Mitigation Actions are supported through the Annual Budget.
	X		X	Comprehensive School Safety Plan (CSSP)	The CSSP consists of several components, including identifying hazards. The document is updated each year in compliance with state regulations and made available to the staff, parents and general public.
	X		X	Emergency Response Plan (ERP)	The ERP for the district identifies hazards and related response protocols. Various assignments are identified in the ERP which are assigned to staff. Training and exercises assist in informing the staff of their roles as well as sharing information about the various hazards.

Expanding and Improving District Capabilities

Planning and Regulatory Capabilities – The District builds and maintains its own buildings and infrastructure according to the CDE “Field Act”. Future plans are laid out in the Facilities Maintenance Plan. The funding of future construction often relies on successful bond measures where plans and justifications are shared with the public. Given the fact this is the first mitigation plan for SCOE, the topic of mitigation has been limited to Environmental Impact Reports tied to major development projects. Although mitigation is new, schools are highly experienced in adhering to federal, state, and local mandate, and comply with a wide array of reporting requirements pertinent to school operations and student performance. That well-practiced experience positions the school’s community as prepared to participate and respond as mitigation weaves itself into the school culture. Once complete, the MJHMP will be shared with the Sonoma County Office of Emergency Services which will result in more effective emergency planning. With all of the county’s school district under one umbrella in the MJHMP, SCOE will take a more active role in coordinating and planning for all of the schools.

Administrative and Technical –

Existing District capabilities are limited. Grant writing capabilities will be especially important once the mitigation plan is approved by FEMA. That approval will trigger eligibility for a range of federal and state grants. Also, the Board of Education could form a sub-committee dedicated to land use matters and mitigation plan implementation. The Plan's opportunities for success will be increased by the Board's involvement. Perhaps in the future, the District will consider adding responsibility for the Plan's implementation to the staff member tasked with maintaining and exercising the Comprehensive School Safety Plan, and Emergency Response Plan.

Finance -

School systems have a number of funding resource acquisition mechanisms that can be utilized for mitigation planning. Aside from the ability to levy taxes, charge impact fees, and initiate general obligation bonds, schools and students are favored targets for philanthropic support. And while the need for fiscal resources for the school community in Sonoma County is at an all-time high as repetitive disaster plague the region, the District knows that the outcomes that hazard mitigation planning and project execution bring are transformative in making schools operationally safer. As student and staff safety is our number one priority, the mitigation planning effort and partnership with the County will serve to prioritize funding capture efforts to meet the objectives and initiatives undertaken herein. The District envisions inter-school and inter-agency collaborations and funding applications where mutual benefits are found, as well as regular solicitation of our business, industry, and private donor partners to satisfy the financial obligations found in executing hazard mitigation activities.

Education and Outreach –

Utilize parent groups, local citizen groups, and non-profit organizations to support and encourage the District's mitigation as well as home and business mitigation. Enlist District staff in learning and talking about the MJHMP and promoting mitigation programs like StormReady and TsunamiReady.

Plan Implementation

As identified in the Base Plan, the Executive Planning Team has agreed to reconvene on a bi-annual basis to review the Base Plan and Annexes. In addition to those meetings, the district representative intends to gather a District Planning Team together on a quarterly basis to discuss the District's Mitigation Actions Matrix. The members of the District Team will represent the departments with responsibilities identified in the Mitigation Actions Matrix. See MJHMP Base Plan – Mitigation Strategies section for a description of the categories portrayed in the Matrix.

Integration with Existing Programs

The Mitigation Plan provides a series of recommendations - many of which are closely related to the goals and objectives of existing planning programs. The District's Local Mitigation Officer will be responsible for implementing recommended mitigation action items through existing programs and procedures. The district is responsible for adhering to the State of California's Field Act as administered for the State Department of Education.

Some of the goals and action items in the MJHMP will be achieved through activities recommended in the district's policy, capital, and funding documents. The MJHMP will be reviewed on a bi-annual basis during a gathering of the various Local Mitigation Officers. Upon the bi-annual review, the District's Local Mitigation Officer will work with other district departments

to identify areas that the MJHMP action items are consistent with the policy, capital, and funding documents to ensure the Plan goals and action items are implemented in a timely fashion.

Upon FEMA approval, the MJHMP Executive Planning Team will begin the process of incorporating risk information and mitigation action items into existing planning mechanisms. The bi-annual meetings of the Team will provide an opportunity for Team members to report back on the progress made on the integration of mitigation planning elements into the planning documents and procedures of the various jurisdictions. Specifically, the District's Local Mitigation Officer will utilize the following sections of the Plan to make revisions to other documents within the District:

- ✓ Risk Assessment Section (Base Plan), District Profile, Planning Process (stakeholders) – Emergency Operations Plan, Facilities Maintenance Plans, FIT Reports, etc.
- ✓ Mitigation Actions Matrix – Capital Projects, Grants, Bonds



Mitigation Actions Matrix

Mitigation Action Item	Coordinating Agency	Timeline	Goal: Protect Life and Property	Goal: Public Awareness	Goal: Natural Systems	Goal: Emergency Services	Goal: Partnerships and Implementation	Buildings & Infrastructure: Does the Action item involve New and/or Existing Buildings and/or Infrastructure? Yes (Y)	Funding Source and Planning Mechanism: GF- General Fund, FMP, HMGP, BRIC	Benefit: L-Low, M-Medium, H-High	Cost: L-Low, M-Medium, H-High	Priority: L-Low, M-Medium, H-High
MULTI-HAZARD ACTION ITEMS												
MH-1 Storing digital or hard copies of public records in low-risk, offsite locations	Administration	1 year	X				X	Y	GF, FMP, HMGP, BRIC	H	M-H	H
MH-2 Purchase two-way radios for all sites and district locations for use in emergency	Administration	1 year	X			X			GF, FMP, HMGP, BRIC	H	M-H	H
MH-3 Fund 21: Building Fund: Fund 21 contains the revenue and expenditures from the Measure G Bond Election and the revenue from the first sale of the Measure L Bond Election. The District now plans to use the remainder of Measure G Bonds to start the Loma Vista Roof Replacement project this summer. The remainder of the project will be completed with some of the dollars from the first sale, in March of	Facilities	1-5 years	X	X	X	X	X	Y	FMP, HMGP, BRIC	H	H	H



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2019, of Measure L Bonds totaling \$11.5 million. (Source – Budget)												
MH-4 Annually update the Facilities Inspection Tool (FIT).	Facilities	Ongoing	X	X	X	X	X	Y	GF	H	L	H
MH-5 Provide annual briefing to the campus Emergency Response Team on the results of the Facilities Inspection Tool. A “heads up” on vulnerabilities will help them to assess damages more efficiently.	Facilities	Ongoing	X	X	X	X	X	Y	GF	H	L	H
EARTHQUAKE ACTION ITEMS												
EQ-1 Retrofit all unsecured buildings to foundations	Administration	1 year	X			X		Y	GF, FMP, HMGP, BRIC	H	M-H	H
EQ-2 Outreach to staff and students on procedures, plans during earthquake	Administration	1 year	X	X		X	X		GF, FMP, HMGP, BRIC	H	M-L	M
EQ-3 Anchor Roof mounted equipment (HVAC units, etc.)	Administration	1 year	X			X		Y	GF, FMP, HMGP, BRIC	H	M-H	H



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EQ-4 Install window film to prevent injuries from shattered glass	Administration	1 year	X			X		Y	GF, FMP, HMGP, BRIC	H	M-H	H
EQ-5 Conduct seismic inventory of facilities and inspect integrity of non-structural devices.	Facilities	1-5 years	X	X	X	X	X	Y	FMP, HMGP, BRIC	H	H	H
EQ-6 Based on the results of the seismic inventory, retrofit or rebuild as necessary.	Facilities	1-5 years	X	X	X	X	X	Y	FMP, HMGP, BRIC	H	H	H
EPIDEMIC/PANDEMIC/VECTOR-BORNE DISEASES ACTION ITEMS												
EPV-1 Expand Facilities or Alter Facilities to accommodate Social Distancing	Administration	1 year	X	X		X		Y	GF, FMP, HMGP, BRIC	H	M-H	H
EPV-2 Upgrade HVAC units in order to be compliant with present-day energy standards.	Facilities	1 year	X	X	X	X	X	Y	FMP, HMGP, BRIC	H	H	H
EPV-3 Install automatization devices/openers to decrease surface contact (doors, fountains, etc.).	Facilities	1 year	X	X	X	X	X	Y	FMP, HMGP, BRIC	H	H	H
FLOODING ACTION ITEMS												



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FLD-1 Conduct regular maintenance of storm drains, down spouts etc.	Facilities	1 year	X		X	X		Y	GF, FMP, HMGP, BRIC	H	M -H	H
FLD-2 Develop a storm water runoff management plan for each site	Facilities	1 year	X		X				GF, FMP, HMGP, BRIC	H	M -H	M
FLD-3 Elevate structures so that lowest floor is above the base flood elevation	Facilities	1-2 years	X					Y	GF, FMP, HMGP, BRIC	H	M -H	H
FLD-4 Mitigating hazards during infrastructure planning. Add to Master Facilities Plan: example where to extend roads, parking lots, tracks may increase exposure to flood hazards	Facilities	1 year	X	X				Y	GF, FMP, HMGP, BRIC	H	M -H	H
FLD-5 Trim vulnerable trees on campus before large storms.	Facilities	Ongoing	X	X	X	X	X	Y	FMP, HMGP, BRIC	H	H	H
FLD-6 Clean out and expand storm drain capacity as necessary.	Facilities	1 year	X	X	X	X	X	Y	FMP, HMGP, BRIC	H	H	H
UTILITY RELATED ACTION ITEMS												
UT-1 Install Generators at all sites, Maintenance Yard and District Office	Administration	1 year	X			X		Y	GF, FMP, HMGP, BRIC	H	M -H	H



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UT-2 Research and purchase generators suitable for the campus.	Facilities	1 year	X	X	X	X	X	Y	FMP, HMGP, BRIC	H	H	H
UT-3 Research and purchase water filtration for the campus.	Facilities	1 year	X	X	X	X	X	Y	FMP, HMGP, BRIC	H	H	H
WILDFIRE ACTION ITEMS												
WF-1 Trimming Trees at all sites	Administration	1 year	X		X			Y	GF, FMP, HMGP, BRIC	H	M-H	H
WF-2 Increase fire hydrants and access to fire apparatus	Administration	1 year	X					Y	GF, FMP, HMGP, BRIC	H	M-H	H
WF-3 Incorporate non-combustible materials in new construction	Administration	1 year	X					Y	GF, FMP, HMGP, BRIC	H	M-H	H