# JOINT AGENCY WORKSHOP PLANNING FOR AND ADDRESSING NATURAL DISASTERS

#### A SCHOOL FACILITIES PERSPECTIVE









# INTRODUCTIONS



California Governor's Office of Emergency Services



California Department of Education



Office of Public School Construction, Department of General Services



Division of the State Architect, Department of General Services

# PANEL DISCUSSION

Tom Taylor, Paradise Unified School District Tad Alexander, Butte County Office of Education

#### OVERVIEW CAL OES

#### Introductions

#### Background

- Cal OES and the CDE Emergency Services Team's role in the planning and recovery process including:
  - Programs and how to navigate them
  - Tips LEA's should consider prior to a disaster

#### **INTRODUCTIONS** CALOES

► Cal OES

- Lynne Olson, Program Manager II, Planning Division, Preparedness Branch
- Noele Richmond, Program Manager I, Emergency Functions Planning Unit
- Nick Murray, Sr. Emergency Services Coordinator, Emergency Functions Planning Unit
- Danielle Chapman-Huizar, Emergency Services Coordinator, Emergency Functions Planning Unit



Cal OES HQ

#### INTRODUCTIONS CDE

- California Department of Education
  - Abel Guillen, Deputy Superintendent, Operations and Administration Branch
  - Juan Mireles, Director, School Facilities and Transportation Services Division
  - Joe Anderson, Manager, Emergency Services Team

Jake Wolf, Specialist, Emergency Services Team

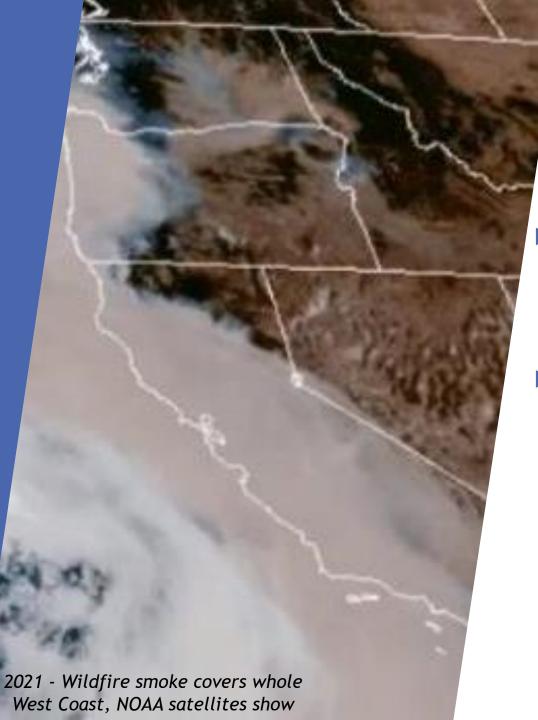




#### BACKGROUND CDE(1 OF 2)

- 2014 to 2017 Drought, fires
- 2017 Winter storms, floods, spillway failure, wildfires
- 2018 Second most fires in a single year, mudslides
- ► 2019 More fires, earthquake, PSPS
- 2020 Largest fire CA history, Covid-19, civil unrest, PSPS
- 2021 Second largest fire in CA history, Covid-19, civil unrest, winter storms, PSPS
- 2022 Covid-19, drought, wildfire conditions

Cal OES, State Operations Center



#### BACKGROUND CDE(2 OF 2)

- 37 school facilities have been damaged or destroyed since 2017:
  - In 8 different counties
  - By 9 different fires
- Schools were impacted by other disasters:
  - COVID-19
  - Public Safety Power Shutoffs
  - Wildfire Smoke
  - Evacuations/Sheltering Operations
  - Mudslides
  - Earthquakes
  - Storms

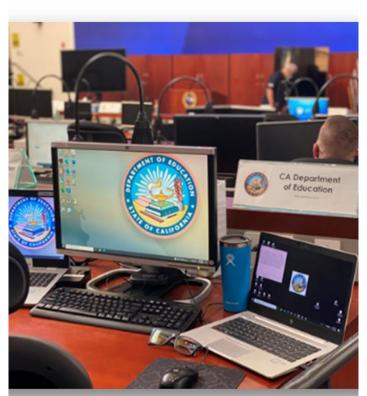
### ROLES CDE (1 OF 5)



Water flows down Oroville Dam's main spillway on February 13, 2017.

- The Governors Office of Emergency Services (Cal OES) requested CDE's support at the State Operations Center (SOC) during the Oroville Dam Spillway Incident, where CDE gained a strong partnership with Cal OES.
- CDE has been asked to represent K-12 education at the SOC for multiple disasters fulfilling multiple roles within the response/recovery structure.

### ROLES CDE (2 OF 5)



California Department of Educations Chair at the State Operations Center

#### State of California Emergency Plan

- Department Operations Center (DOC) Activation:
  - Each state agency may activate a department operations center to manage information and resources assigned to the incident.
  - If a DOC is activated, an agency representative or liaison may be deployed to facilitate information flow between the two facilities.
- State Agency Assistance:
  - Other state agencies may provide support to local governments under their respective authorities, or under other federal programs.
  - State agencies coordinate their activities with Cal OES, but may direct operations from their respective Department Operations Centers.

# ROLES CDE (3 OF 5)



Elementary school playground in Greenville, Ca after the Dixie Fire

- In addition to OPSC funding, CDE will help LEAs Navigate other recovery funds.
  - Public Assistance (PA)
    - For restoring public facilities back to their pre-disaster condition and implementing mitigation measures to reduce the risk of damage for future similar incidents (refer to PAPPG)
    - For school districts in counties impacted by federallydeclared disasters
    - From FEMA, but Cal OES manages the funds in California and Covers 75% of project costs
    - California Disaster Assistance Act (CDAA)
      - For Restoring public facilities back to their pre-disaster condition, can supplement the Public Assistance grant by covering 75% of the local match, or can act as a standalone grant that covers 75% of project costs
      - For school districts in counties impacted by disasters in California
      - Comes from state funds, administered by Cal OES

### ROLES CDE (4 OF 5)





- Project School Emergency Response to Violence (Project SERV)
  - Federal grant for expenses that restore the learning environment and manage problems related to safety and security such as:
    - Mental health services (related to the event)
    - Overtime for staff to clean up the school and receive training
    - Substitutes and additional staff
    - Technical assistance for developing crisis response
    - Transportation for operating school in an alternative location and Leasing of space to substitute for damaged buildings
  - From the US Department of Education's Disaster Recovery Unit (DRU)
  - Direct from Feds to LEAs
  - ▶ 100% federally funded

### ROLES CDE (5 OF 5)



The first tsunami vertical structure in the United States: Ocosta Elementary School, Westport, Washington. The building is designed to withstand an earthquake and has a flat roof over the gym to accommodate up to 1,000 students and community members from a resulting tsunami.

- Technical Assistance for navigation
  of Hazard Mitigation Grants:
  - For measures to reduce loss of life and property from future disasters including, but not limited to:
    - Hazardous fuels reduction
    - Creating defensible space
    - Flood risk reduction
    - Seismic risk reduction
    - Critical facility generators
    - Local hazard mitigation plan

#### Local Educational Agency (LEA) Logon

#### LEA Logon

The School Emergency Reporting System (SERS) web application is utilized by the California Department of Education (CDE) to track school statuses during disasters.

Please logon to report new emergency incidents and update your educational agency's situational status. If you do not have your Access Code, please follow the "Forgot Access Code?" link below.

Access Code	
	Logon
	Forgot Access Code?

Schools Emergency Reporting System's Local Education Agency Login Page on the California Department of Educations Webpage

# S.E.R.S. CDE

Tracks impacts from disasters to California's K-12 education

System for communications with LEAs EST request responses Schools self report

Helps find support gaps



#### TIPS CDE

- Know your facilities and where the utility shutoffs are located
- Back up important files through a cloud-based service
- Keep a facility inventory with photos
- Have contact information for local emergency management and insurance provider
- Know what's in your Comprehensive School Safety Plan



#### ROLES CAL OES (1 OF 9)

School Emergency Planning & Safety

- Provides K-12 education with direct and easy access to pertinent emergency preparedness information and resources
- Resources for Emergency Preparedness and Youth/School Safety.
- Coming Soon: California Emergency Management for Schools: A Guide for Districts and Sites

https://www.caloes.ca.gov/individualsfamilies/school-emergency-planning-safety

#### ROLES CAL OES (2 OF 9)

- Mitigation is the effort to reduce loss of life and property by lessening the impact of disasters.
- Preparedness is the effort to plan, train, and prepare for the disaster
- Response is the implementation of emergency plans, activation of resources, and dealing with the disaster and its effects.
- Recovery is the return to a new normal, through rebuilding, cost recovery, and moving forward



### ROLES CAL OES (3 OF 9)

- Hazard Mitigation Planning requires the coordinated effort and participation of a wide range of stakeholders and the public in the planning process, especially K-12 education.
- Mitigation starts at the local level through establishing relationships with your county office of emergency management.
- Learn your hazards by using the Cal OES <u>MyHazards</u> tool to learn what your school/district is at risk for.
- Sign up for alerts via <u>CalAlerts.org</u>.
- Review your county's Hazard Mitigation Plan.

### ROLES CAL OES (4 OF 9)

Schools Facilities Vulnerability Assessment

- Active shooters, school violence, and physical threats are an unfortunate reality for educational facilities throughout the State of California and our nation.
- State Threat Assessment System (STAS) Infrastructure Protection Working Group (IPWG) created a subcommittee focused on developing a vulnerability assessment training curriculum.
- Through these efforts, the "Vulnerability Assessments-School Facilities-Basic Course" was approved by the Commission on Peace Officer Standards and Training (POST) on August 8, 2019. Substitutes and additional staff
- Target Audience for this training includes:
  - Law Enforcement
  - School Resource Officers (SRO's)
  - School Administrators with security responsibilities For School districts and County Offices of Education

#### ROLES CAL OES (5 OF 9)

Planning for a disaster is a group function.

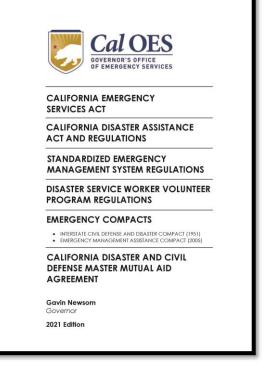
Include community partners, internal/external stakeholders, first responders, Parent-Teacher Associations, students.

Utilize the California Standardized Emergency Management System

Train the Staff/Exercise the Plan

California Specialized Training	Readiness and Emergency	FEMA's Emergency Management
Institute (CSTI)	Management for Schools	Institute School Program
More than 100 course covering emergency management, human trafficking, active shooter/intruder for state and local government agencies	Step by step K-12 Guidance on creating high quality Emergency Operations Plans (EOPs) for districts and sites	Free, online coursework. EMI offers school officials courses supporting the implementation of NIMS as well as general courses aimed at building school emergency management capacity.

# SEMS CAL OES (6 OF 9)



Cal OES "Yellow Book" available on the <u>Cal OES webpage</u>.  Standardized Emergency Management System (SEMS)

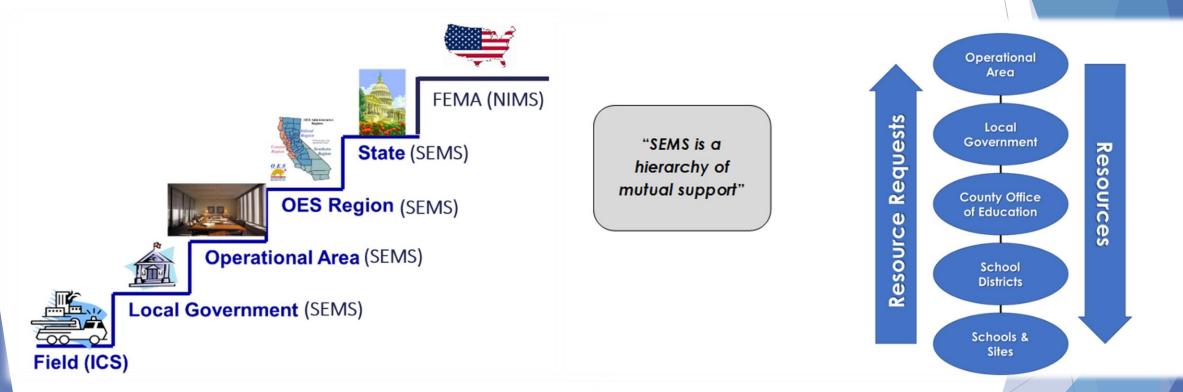
- California's guidelines to operate and organize for emergency response.
- State agencies must use SEMS. Others are encouraged to use SEMS to be eligible for reimbursement of disaster response costs.

SEMS incorporates:

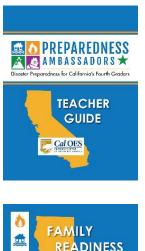
- Incident Command System (ICS)
- Multi-agency Coordination (MAC)
- Mutual Aid (MA)
- Operational Area Concept (OA)

### SEMS CAL OES (7 OF 9)

#### SEMS Organizational Levels

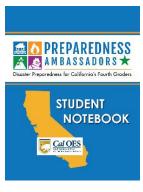


Visual representation of the Standardized Emergency Management System (SEMS) Proposed structure of SEMS in Schools.



Cal OES

mily Prenarednes



### ROLES CAL OES (8 OF 9)

- Preparedness Ambassadors
  - Created by the California Governor's Office of Emergency Services in partnership with the California Department of Education, CalRecycle, and the Sacramento County Office of Education.
  - Designed to engage fourth grade students to develop and promote disaster preparedness guidelines for their homes, school, and local community.
  - No Registration Required, just reach out to <u>danielle.chapman-huizar@caloes.ca.gov</u>

https://www.caloes.ca.gov/preparednessambassadors

Preparedness Ambassador's Teacher's Guide, Student's Notebook, and Family Readiness Guide

### ROLES CAL OES (9 OF 9)

Response	Recovery
• Implementation of emergency plans.	Long-term process
• Activation of sheltering and/or evacuation	• Rebuild and restore to a new normal
procedures.	Cost Recovery
• Organizing staff and personnel into a response	Mitigate against future disasters
structure using ICS.	Review lessons learned
• Coordination with first responder and emergency	Refine your emergency plan
management agencies for life saving resources.	
• Communication with parents/guardians and the	Plan for the <b>psychological and emotional</b>
district to ensure safe reunification of students with	<i>recovery</i> of your children and staff
their family units.	
• Track your costs whether that is staff overtime,	

expending of supplies, and procurement.

# CONTACT INFORMATION



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- California Department of Education Emergency Services Team (EST)



- Joe Anderson, EST Manager joanderson@cde.ca.gov
- Jake Wolf, EST Specialist jwolf@cde.ca.gov

# A DSSA DSSA DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES

Joint Agency Workshop May 5, 2022 Ida A. Clair AIA, State Architect Harlan Reymont, Manager Sacramento Doug Humphrey, Manager Los Angeles Dessa Rooney, Manager Oakland Eric Driever, Principal Architect HQ

# DSA REGIONAL OFFICES

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Regional Manager (858) 674-5413



DSA REGIONAL OFFICES AND COUNTIES THEY SERVE



#### Plan Approval Process



All New Construction, Modernizations, and Site Work on Public School Campuses must be reviewed by DSA, with few exceptions.

# Meet with us at...

- Project Planning
- ► Ask DSA for a Preliminary Meeting with
  - School District
  - Design Professionals
- Schematic Design
- ► Ask DSA for a Preliminary Meeting
  - With School District and Design Professionals
  - Discuss Schedule
  - Discuss Code Interpretations



# EMERGENCY PROCESS

- Regardless of size of event:
  - First contact local jurisdiction to discuss process for proceeding
  - Next contact County Office of Education for additional guidance
  - When cleared by local jurisdiction and COE, call local DSA Regional Office for assistance
    - On-site evaluation of structural concerns
    - ► Recovery concerns:
      - Interim housing
      - Repair/replacement of facilities
      - Project planning

# PLANNING FOR EMERGENCIES

- Fire Preparedness Coordinate with nearby districts to have a plan in place to address near term needs for students and faculty
- Earthquake
  - Evaluate facilities Most injuries in an earthquake are caused by falling objects verify that bookshelves and other objects that can tip are secured to walls
- Active Shooter
  - Classroom doors are required to be lockable from the inside while still permitting egress
  - Campus security upgrades shall be submitted to DSA
- Tsunami/Flood Being prepared
  - Have contact numbers handy
  - Evacuation plan and drills
- Placing a generator standby generators need to be submitted to DSA for review unless specifically exempted in DSA IR A-22

#### Safer Schools

GUIDE AND CHECKLIST FOR

#### EMERGENCY PREPAREDNESS & CLASSROOM SECURITY

IN CALIFORNIA PUBLIC SCHOOLS & COMMUNITY COLLEGES

A Project of: Division of the State Architect Department of General Services California Government Operations Agency

Issued December, 2018

#### EMERGENCY PREPAREDNESS AND CLASSROOM SECURITY

**DSA Guidance Document:** Emergency Preparedness & Classroom Security How to establish an Emergency **Preparedness Plan** How to select appropriate security hardware that Permits egress and maintains accessibility Consult with DSA prior to modification Do not use after-market devices



#### EMERGENCY PREPAREDNESS: FIRE

- Chapter 7, Fire and Smoke Protection Features
  - Requires the building owner to maintain an inventory of all required fire-resistance-rated construction, and construction installed to resist the passage of smoke.
  - Such construction to be visually inspected annually and properly repaired, restored, or replaced where damaged, breached, or penetrated.
- Chapter 49, Requirements WUI Fire Areas
  - Requires landscaping within areas designated as Very High Fire Hazard Severity Zones to be fire-resistant vegetation
  - Must be maintained as it matures

APPROVED BY BSC DECEMBER 14, 2021 EFFECTIVE DATE 1.1.23 2021 Public comments (ca.gov)

# EMERGENCY PROCESS: SCHOOLS USED AS SHELTERS

**General.** The purpose of this code is to ensure that barrier-free design is incorporated in all buildings, facilities, site work and other improvements to which this code applies in compliance with state law to ensure that these improvements are accessible to and usable by persons with disabilities. Additions, alterations and structural repairs in all buildings and facilities shall comply with these provisions for new buildings, except as otherwise provided and specified herein.

7 of 365

Excerpted from: Title 24, Part 2

Effective date: July 1, 2021

The provisions of these regulations shall apply to any portable buildings leased or owned by a school district, and shall also apply to temporary and emergency buildings and facilities. Temporary buildings and facilities are not of permanent construction but are extensively used or are essential for public use for a period of time. Examples of temporary buildings or facilities covered include, but are not limited to: reviewing stands, temporary classrooms, bleacher areas, exhibit areas, temporary banking facilities, temporary health screening services or temporary safe pedestrian passageways around a construction site.

DSA			

- Accessibility Title 24
  - Administrative Code Section 1.9.1
- 11B-201.3 Temporary and permanent structures. These requirements [CBC Chapter 11B] shall apply to temporary and permanent buildings and facilities.

# EMERGENCY PROCESS: SCHOOLS USED AS SHELTERS

Accessibility - ADA

201.3 Temporary and Permanent Structures. These requirements shall apply to temporary and permanent *buildings* and *facilities*.

Advisory 201.3 Temporary and Permanent Structures. Temporary buildings or facilities covered by these requirements include, but are not limited to, reviewing stands, temporary classrooms, bleacher areas, stages, platforms and daises, fixed furniture systems, wall systems, and exhibit areas, temporary banking facilities, and temporary health screening facilities. Structures and equipment directly associated with the actual processes of construction are not required to be accessible as permitted in 203.2.

2010 ADA Standards

Section 201.3 - Temporary and Permanent Structures. These requirements [ADA Accessible Guidelines (ADAAG)] shall apply to temporary and permanent buildings and facilities.

# EMERGENCY PROCESS: SCHOOLS USED AS SHELTERS

#### Subpart D Program Accessibility

> 28 CFR 35.149 - Discrimination Prohibited

Except as otherwise provided in § 35.150, no qualified individual with a disability shall, because a public entity's facilities are inaccessible to or unusable by individuals with disabilities, be excluded from participation in, or be denied the benefits of the services, programs, or activities of a public entity, or be subjected to discrimination by any public entity.

### EMERGENCY PROCESS: SCHOOLS USED AS SHELTERS

Section 35.151 of 28 CFR Part 35(e)

Social service center establishments. Group homes, halfway houses, shelters, or similar social service center establishments that provide either <u>temporary</u> <u>sleeping accommodations</u> or residential dwelling units that are subject to this section shall comply with the provisions of the 2010 Standards applicable to residential facilities, including, but not limited to, the provisions in sections 233 and 809.

### EMERGENCY PROCESS: SCHOOLS USED AS SHELTERS

Planning for Emergencies

- Interim School Housing (Classrooms) Accessibility
  - Alternate locations (Local and extended locations)
- Schools as a local resource
  - Campus maps and infrastructure availability with accessible elements identified.
  - Accessible route to all public elements such as entrances, parking, restrooms, beds/cots, if no permanent route exists consider alternate locations or temporary surfaces.

## EMERGENCY PROCESS: SCHOOLS USED AS SHELTERS

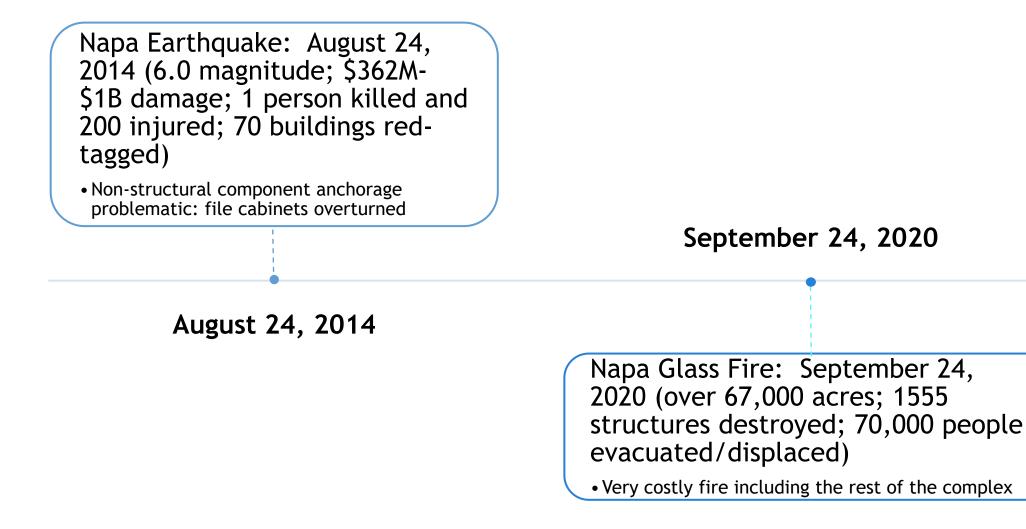
- Planning for Emergencies cont.
  - Provide an appropriate number of accessible elements.
  - If no standard is listed in CBC Chapter 11B, a good practice is generally 5% of elements should be accessible, bed/cots and should include maneuvering clearances such as a 5' diameter turning area and door clearances.
  - Requirements specific to Shelter and Variable Messaging (VMS) CBC Chapter 11B-216.13
    - Where provided for emergency shelters conveying emergency information, must comply with 11B-703.8

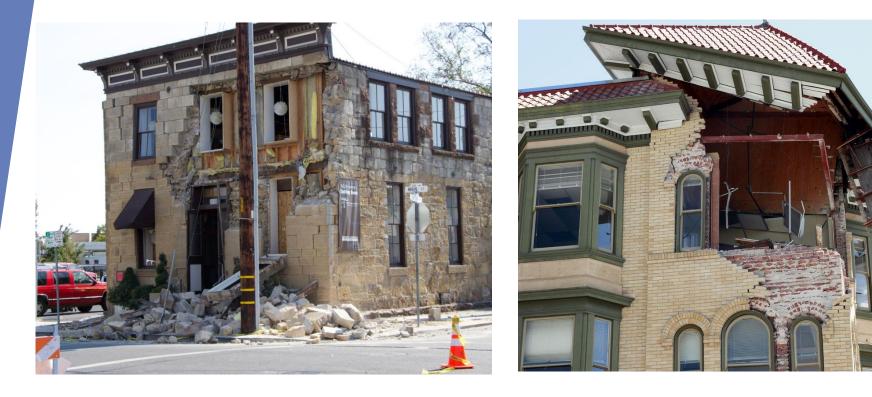
## RECOVERY: INTERIM HOUSING PLAN REVIEW AND APPROVAL

DSA IR A-1 Approval for Temporary School Use of DSA Approved Relocatable Buildings

- Expedited process in the case of EQ, Fires, Tsunamis or Flood
- District notification to DSA of intent to install relos for emergency use
- Three-year temporary approval (maximum) from date of placement
- Within 14 days of install, District to notify DSA of number of relos placed
- Within 60 days of install, District must provide DSA fees for SSS/FLS/ACS, a letter from District acknowledging Temporary Use and a complete submittal package for DSA review and approval.
- ► OPSC and CDE coordination

### LESSONS LEARNED: NAPA





### 2014 Napa Earthquake Examples of damage to non-school buildings



# 2020 Napa Glass Fire

### State Agency Workshop **Planning for and Addressing Natural Disasters** Applying for Eurods Through the Eacility Hardship

Applying for Funds Through the Facility Hardship Program



Brian LaPask, Operations & Policy Manager

Office of Public School Construction

Thursday, May 5, 2022

### BACKGROUND AND PROGRAM PURPOSE

- The Facility Hardship Program can provide funding assistance to school districts for facilities that have been lost or damaged in a natural disaster.
  - ► Health & Safety projects
  - Education Code Section 17075.10(a): "A school district may apply for hardship assistance in cases of extraordinary circumstances."

### **PROGRAM FEATURES**

Minimum Work to mitigate health and safety risk.

- Applications receive expedited processing
  - Complete Applications brought to SAB within 90-120 Days of OPSC's receipt
  - Processing will take place ahead of non-health and safety projects, these move directly to the top of OPSC's workload.
- Does not rely on existing New Construction and Modernization eligibility
  - Funding may still result in adjustments to existing NC and/or Mod eligibility

### **PROGRAM FEATURES**

- The Facility Hardship Program is funded from available new construction bond authority for replacement projects and funded from available modernization bond authority for rehabilitation projects.
  - This can be bond proceeds, General Fund appropriations, or any source providing funding for OPSC/SAB programs.
- If insurance proceeds are awarded for a project, the Facility Hardship funding is offset by 50% of the insurance proceeds received.
- Funding received from FEMA can also be used in conjunction with a Facility Hardship application. OPSC will review FEMA funded projects on a case-by-case basis to determine funding impacts.

## TYPES OF FACILITY HARDSHIP APPLICATIONS

- ► Full School Replacement
- ► Facility Replacement
  - Individual Structures/buildings
- Rehabilitation
  - Components and Repairs

#### **Conceptual or Design**

- Design: Only accepted for Districts that receive Financial Hardship Approval and provides design grant
- Conceptual: Accepted for non-financial hardship eligible applicants, but does not reserve bond authority

### FUNDING DETERMINATION

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Facility Hardship	Replacement (50/50 State/District)	Full School	Pupil Grants (based on enrollment)
		Building(s)	Square Footage Calculation
	Rehabilitation (60/40 State/District)		Cost Estimate

If a district qualifies for Financial Hardship, it can receive up to 100% of the district's matching funds

### **INDUSTRY SPECIALIST'S REPORT**

Establishes scope of mitigation project

The report should contain the following:

- Description of the imminent health and safety threat
- Root cause of health and safety threat
- Minimum measures required to mitigate the health and safety threat
- Examples of industry specialists: Plumber, Structural Engineer, Electrician

### **GOVERNMENTAL CONCURRENCE**

Provides 3<sup>rd</sup> party review of proposed scope of work

### Concurrence should contain the following:

- Government-level agency must concur to presence of an imminent health & safety threat <u>and</u> confirm mitigation measures represent minimum work
- Examples of government agencies: Heath Department, DSA, Fire Marshall, California Geologic Survey (CGS)

### COST ESTIMATE

Itemized cost summary of the construction materials needed to rehabilitate

► Two main uses:

 Cost-Benefit Analysis comparison (replacement funding vs. rehabilitation funding)

If estimated rehabilitation cost is <u>less</u> than 50% of cost to replace = Rehabilitation funding

Verified costs directly determine the "base grant" amount for rehabilitation applications In addition to considerable program information on the OPSC's website linked below, there are virtual workshops and video tutorials available to walk through the basics of the program.

- Facility Hardship Website <u>https://www.dgs.ca.gov/OPSC/Services/Page-Content/Office-of-Public-School-Construction-Services-List-Folder/Obtain-Facility-Hardship-Funding</u>
- Facility Hardship & Seismic Mitigation Virtual Workshop Video <u>https://www.youtube.com/watch?v=94dLpPyZ0mA</u>

## HELPFUL LINKS

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