

EL DORADO COUNTY OFFICE OF EDUCATION

Multi-Jurisdiction Hazard Mitigation Plan

Adopted 11/9/04

Revised 3/12/09

EL DORADO COUNTY OFFICE OF EDUCATION HAZARD MITIGATION PLAN

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El Dorado County Office of Education

PURPOSE

On behalf of the El Dorado County Office of Education, and the fifteen school districts in our county, this appendix serves as El Dorado County schools' participation in the El Dorado County Multi-Jurisdiction Hazard Mitigation Plan. The purpose of this Hazard Mitigation Plan is:

- a. To protect people and structures by reducing the potential for future damage and economic losses that result from natural disasters;
- b. To minimize the costs of disaster response and recovery;
- c. To demonstrate a uniform commitment to hazard mitigation principles; and
- d. To comply with both state and federal legislative requirements for local hazard mitigation plans.

Hazard mitigation is a plan of action designed to reduce or eliminate long-term risks to our students, staff and school sites.

OVERVIEW

El Dorado County is located just northeast of Sacramento and stretches from the foothills of El Dorado Hills and Folsom Lake, over the Sierra Mountains to Lake Tahoe. With elevations ranging from 200 feet to well over 10,000 feet, El Dorado County offers a unique natural splendor and environmental diversity. Seventy-eight percent of the population of 145,000 lives in unincorporated areas outside the city limits.

El Dorado County Consists of 10,000 square miles of vastly diverse and rugged geography. In the heart of California's Gold Rush Country, the western slope borders Placer, Sacramento and Amador Counties. We are divided into eight rural population centers. Placerville is located near the center of the county. Pollock Pines and Camino are the largest populated communities to the east. Georgetown is the largest to the north. Pleasant Valley is the largest to the south; while Shingle Springs, Cameron Park and El Dorado Hills are the three main communities to the west. The western side of the county is the fastest growing area and the closest to the Sacramento metropolitan area.

In a world full of change and uncertainty, El Dorado County has recognized the need to pursue local and state support which is appropriate to maintain and provide safe schools throughout our county. El Dorado County Office of Education is one of several agencies that participate in the Local Disaster Planning Council which focuses on ensuring that our communities, including our students, are safe during a disaster and/or emergency.

Emergencies or disasters may occur anywhere and at any time. With El Dorado County's varying topography, mix of urban and rural areas and rapidly growing population, we are subject to a wide variety of natural and technological hazards.

PARTICIPANTS IN THE REVISION PROCESS

Dr. Vicki L. Barber, County Superintendent of Schools, Terena Mendonca, Associate Superintendent, and Kathy Daniels, Director of Facilities.

During the planning stages, the committee determined that the four natural hazards in El Dorado County are:

- 1. Wild land fire
- 2. Severe Weather
- 3. Hazardous Material Spill
- 4. Dam Failure
- 5. Earthquake

For El Dorado County, wild land fire is the largest concern. Several of our outlying communities have one road in and out. If a wild land fire were to get out of control, evacuation of schools or homes would be a difficult task.

HAZARD ANALYSIS

The following chart is designed to address specific hazards that may affect our schools. In using this chart, we did four things:

- 1. Considered the location of school sites and their proximity to nearby critical infrastructure that could create a problem for the school
- 2. Determined what the “chance of occurrence” is for the site using a scale from 1-10 (10 being the greatest chance of occurrence).
- 3. Determined what the “effect would be in a worst case scenario using a scale of 1-10 (10 being the greatest chance of occurrence).
- 4. Prioritized the list based on conclusions using a scale of 1-5 (with 1 being the highest priority).

Planning Priority	Risk	Chance of Occurrence	Effect
1	Wild land Fire	10	Loss of Property/Lives
2	Severe Weather	8	Loss of Property/Lives
3	Hazardous Material Spill	5	Loss of Property/Lives
4	Dam Failure	2	Loss of Property/Lives
5	Earthquake	2	Loss of Property/Lives

Wild Land Fire

A wildfire is an uncontrolled fire, often driven by dry winds, which destroys vegetation and structures in its path. Residential and commercial dwellings that intermix with wild land areas are particularly susceptible to damage. Contributing factors to structure destruction include insufficient clearance of vegetation, having combustible roof material, inadequate or inaccessible water supplies and remote and difficult to reach locations.

School Districts will work very closely with all other county agencies to ensure that all necessary measures are put into place to protect our students and schools to the best of our ability. This will include, but is not limited to:

- a. Providing defensible space, including clearing brush and dry grass up to 100 yards away from any building or structure;
- b. Working with other agencies on fuel reduction; and,
- c. Use of fire resistance building materials when appropriate.

Severe Weather

Severe weather conditions occur in the county, which include heavy rain and snowfall, sizeable hail, high winds, extended drought conditions, extreme cold and hot temperatures, and lightning strikes. These conditions have sometimes resulted in extended power outages, fire, property damage, flooding, landslides, avalanches, crop damage, hazardous material spills and dangerous road conditions.

Early recognition of the weather patterns that may bring severe conditions can add greatly to increased readiness, such as alerting/evacuating the public, preparing an appropriate response thereby lessening the probability and severity of disaster damage and/or injury.

There are many areas in the county that have been identified in the flood zone. Those areas affect a small portion of the county. A flood could cause large amounts of property damage and school districts will:

- a. Inspect our sites and surrounding areas when heavy rain has fallen to ensure that a flood or mud slide does not occur. Checking sites will include making sure that all drains and drain systems are free from debris so water will properly run offside.
- b. Have a plan in place to provide drinking water in the event of contamination.

Hazardous Material Spill

A hazardous material incident is the result of an uncontrolled or intentional (terrorist) release of a hazardous substance(s) during the storage or use from a fixed facility or residence, agricultural operations, or during transport. Release of hazardous material can be especially damaging when it occurs in a highly populated area, along a transportation route, or near a school.

The agricultural businesses in our County may also be a source of hazardous material spills. Accidental releases of pesticides, fertilizers and other agricultural chemicals may be harmful to the public health, safety and environment.

Since El Dorado County does not have natural gas, propane is used throughout the County. Propane is delivered by trucks, and there is always the potential for an accident. School districts will:

- a. Have a plan in place to evacuate students and staff in the case of a hazardous material spill, dam failure or earthquake. In some cases, sheltering-in-place may be the best option. We will have a plan in place to ensure that staff is trained on how to safe-guard our children.

County-wide mitigation plans will assist all agencies in working together; however, schools can assess their own sites to ensure that all hazards are identified and mitigation measures can be put into place at each site.

Attached, please find worksheets that will assist each school in identifying their potential hazards.

Dam Failure

Dam failure can result from manmade causes such as earthquakes, erosion, raising floodwaters and/or structural flaws. Dams are also terrorist targets. Seismic activity may also cause a tidal (seiche) wave that comes over the top of the dam causing failure of the dam and flooding downstream.

The Lake Tahoe Unified School District is in close proximity to Lake Tahoe and has prepared by:

- a. Working with all public agencies in the Tahoe Basin to provide shelter-in-place plans as well as extensive evacuation plans.

Earthquake

Although El Dorado County is not seismically active, there are fault zones located in the Northern Sierras. In the event of an earthquake moving those in danger to safety is of the utmost importance. School districts will:

- a. Have plans in place to provide shelter if students and staff cannot be moved;
- b. Work with public agencies to remove debris and clear buildings and roadways to reunite students with their families.
- c. Provide care and temporary housing for those that may be in need.

SCHOOL GROUNDS HAZARD ASSESSMENT

This checklist will assist you in identifying hazards that exist on school property. Identifying these potential hazards will provide useful information for planning routes and assembly areas.

Hazard	Comments
<p style="text-align: center;"><u>School Building:</u></p> <p><input type="checkbox"/> Long, unsupported roof spans</p> <p><input type="checkbox"/> Large window panes</p> <p><input type="checkbox"/> Heating & air conditioning units</p> <p><input type="checkbox"/> Overhangs</p> <p><input type="checkbox"/> Trees or shrubs that need pruning</p> <p><input type="checkbox"/> Other</p>	
<p style="text-align: center;"><u>Other Structures</u></p> <p><input type="checkbox"/> Unsecured portable structures</p> <p><input type="checkbox"/> Unsecured siding or roofing</p> <p><input type="checkbox"/> Incompatible chemical storage</p> <p><input type="checkbox"/> Inadequate ventilation</p> <p><input type="checkbox"/> Other fire hazards</p>	

SCHOL GROUNDS HAZARD ASSESSMENT (continued)

Hazard	Comments
<p align="center"><u>Playground:</u></p> <p><input type="checkbox"/> Equipment in need of repair</p> <p><input type="checkbox"/> Rocks or material that could cause injury</p> <p><input type="checkbox"/> Fences in need of repair</p> <p><input type="checkbox"/> Exposed nails, screws, or bolts</p> <p><input type="checkbox"/> Other</p>	
<p align="center"><u>School Grounds:</u></p> <p><input type="checkbox"/> Trees or shrubs that present a fire hazard or an area for intruders to hide</p> <p><input type="checkbox"/> Streams in close proximity</p> <p><input type="checkbox"/> Electric wires</p> <p><input type="checkbox"/> Propane tanks</p> <p><input type="checkbox"/> Other</p>	

BUILDING HAZARD ASSESSMENT

This checklist can be used to assess hazards throughout the school. Please remember to include shop areas, custodian closets, storage areas and gymnasiums.

Hazard	Comments
<u>School Building:</u>	
<input type="checkbox"/> Toxic, corrosive & flammable materials not stored to withstand falling & breaking	
<input type="checkbox"/> Hazardous materials located in areas that do not have warning signs	
<input type="checkbox"/> Unsecured appliances (water heaters, microwaves, etc.)	
<input type="checkbox"/> Unsecured fire extinguishers	
<input type="checkbox"/> Unsecured filing cabinets	
<input type="checkbox"/> Inadequately supported light fixtures	
<input type="checkbox"/> Unanchored table lamps	
<input type="checkbox"/> Unsecured athletic equipment	
<input type="checkbox"/> Other	

SCHOOL ASSESSMENT

Attached is a list of all public schools, including addresses, located in El Dorado County. Each district is responsible for school site maps and building inventory which will be included in this plan as they are submitted to the County Office.

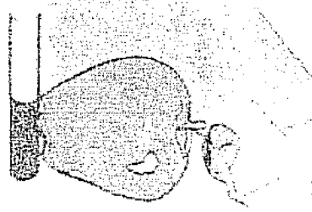
FISCAL CAPABILITY & IMPLEMENTATION

El Dorado County schools have very limited fiscal ability to provide mitigation improvements to school buildings and school grounds. If money were not an issue, priorities for schools would be as follows:

- a. Retrofit all buildings to have current earthquake standards.
- b. Change all windows in classrooms and office to be dual-pane safety glass.
- c. Work with local fire agencies to upgrade fire protection systems in school buildings.
- d. Improve and update drains and drain systems on school sites.

El Dorado County schools will continue to work with El Dorado County and the City of Placerville to take all necessary steps to lessen the impact of a disaster. We will revise our plan as necessary with the changes in policy, procedures and practices in the county.

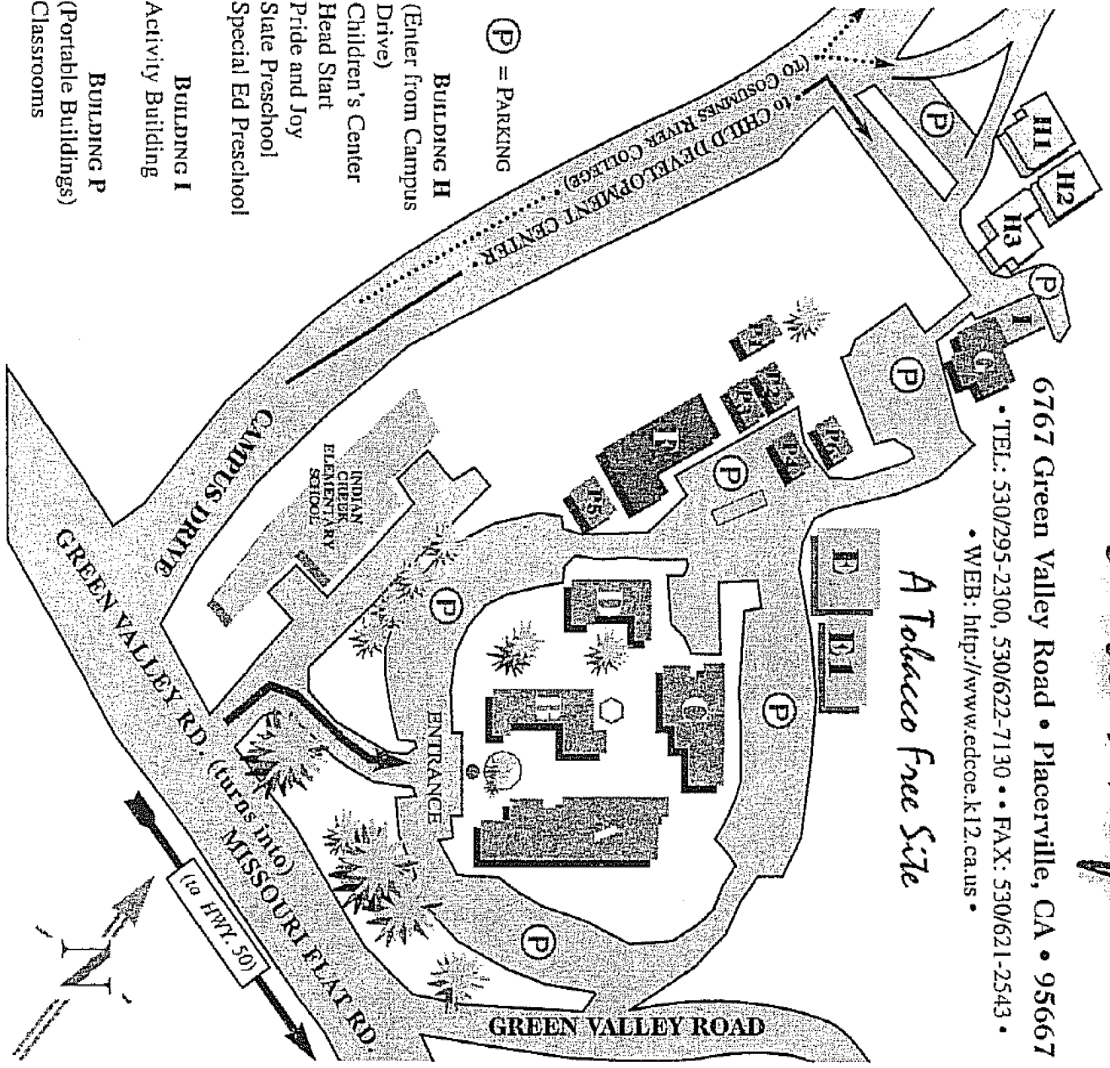
El Dorado County



OFFICE OF EDUCATION

Superintendent -
Vicki L. Barber, Ed.D.

- | | |
|---|---|
| BUILDING A
Information Desk
Superintendent
Deputy Superintendents
Business/Payroll
Human Resources
Information Services
Educational Services
Benefits/Purchasing | BUILDING D
Classrooms |
| BUILDING B
Board Room
Meeting Rooms | BUILDING E
Audio Visual Repair
Transportation
Warehouse |
| BUILDING C
SELPA
Special Education
Testing Services
SARB | BUILDING F
Maintenance
Print Shop |
| | BUILDING G
Classrooms
Computer Lab
Resource Center |
| | BUILDING H
Charter-Community School
New Morning |
| | BUILDING I
Activity Building |
| | BUILDING P
Classrooms
(Portable Buildings) |



Site Map

6767 Green Valley Road • Placerville, CA • 95667
 • TEL: 530/295-2300, 530/622-7130 • FAX: 530/621-2543 •
 • WEB: <http://www.edcoe.k12.ca.us> •
A Tobacco Free Site

EL DORADO COUNTY SCHOOL DISTRICTS

EL DORADO COUNTY OFFICE OF EDUCATION

6767 Green Valley Road
Placerville, CA 95667

BLACK OAK MINE UNIFIED SCHOOL DISTRICT

6540 Wentworth Springs Road
Georgetown 95634

Creekside School
6620 Wentworth Springs Rd
Georgetown 95634

Divide High School
5065 Garden Valley Rd
Garden Valley 95633

Georgetown School
6530 Wentworth Springs Rd
Georgetown 95634

Golden Sierra High School
5101 Garden Valley Rd
Garden Valley 95633

Northside School
860 Cave Valley Rd
Cool 95614

Otter Creek School
4701 Volcanoville Rd
Georgetown 95634

BUCKEYE UNION SCHOOL DISTRICT

4560 Buckeye Rd
Shingle Springs 95682

Blue Oak School
2691 Merrychase Dr
Cameron Park 95682

William Brooks School
3610 Park Dr
El Dorado Hills 95762

Buckeye School
4561 Buckeye Rd
Shingle Springs 95682

Camerado Springs School
2480 Merrychase Dr
Cameron Park 95682

Oak Meadow School
7701 Silva Valley Parkway
El Dorado Hills 95762

Rolling Hills School
7141 Silva Valley Parkway
El Dorado Hills 95762

Silva Valley School
3001 Golden Eagle Lane
El Dorado Hills 95762

CAMINO UNION SCHOOL DISTRICT

3060 Snows Rd
Camino 95709

Camino School
3060 Snows Rd
Camino 95709

EL DORADO UNION HIGH SCHOOL DISTRICT

4675 Missouri Flat Rd
Placerville 95667

El Dorado Adult School
385 Pleasant Valley Rd
Diamond Springs 95619

El Dorado High School
561 Canal St
Placerville 95667-4396

Independence High School
385 Pleasant Valley Rd
Diamond Springs 95619

Mountain View High School
6530 Koki Ln
El Dorado 95623

Oak Ridge High School
1120 Harvard Way
El Dorado Hills 95762

Ponderosa High School
3661 Ponderosa Rd
Shingle Springs 95682

Shenandoah High School
6540 Koki Ln
El dorado 95623

Vista High School
561 Canal St
Placerville 95667

GOLD OAK UNION SCHOOL DISTRICT
3171 Pleasant Valley Rd
Placerville 95667

Gold Oak Arts Charter School
3171 Pleasant Valley Rd
Placerville 95667-9297

Gold Oak School
3171 Pleasant Valley Rd
Placerville 95667-9297

Pleasant Valley School
4120 Pleasant Valley Rd
Placerville 95667

GOLD TRAIL UNION SCHOOL DISTRICT
4801 Luneman Rd
Placerville 95667

Gold Trail School
889 Gold Springs Rd
Placerville 95667

Sutter's Mill School
1801 Luneman Rd
Placerville 95667

INDIAN DIGGINGS SCHOOL DISTRICT
6020 Omo Ranch Rd
Somerset 95684

LAKE TAHOE UNIFIED SCHOOL DISTRICT
1021 Al Tahoe Blvd
South Lake Tahoe 96150

Bijou School
3501 Spruce Ave
South Lake Tahoe 96150

Mt. Tallac High School
1735 Lake Tahoe Blvd
South Lake Tahoe 96150

Sierra House School
1709 Remington Trail
South Lake Tahoe 96150

South Tahoe High School
1735 Lake Tahoe Blvd
South Lake Tahoe 96150

South Tahoe Middle School
2940 Lake Tahoe Blvd
South Lake Tahoe 96150

Tahoe Valley School
943 Tahoe Island Dr
South Lake Tahoe 96150

Transitional Learning Center
1735 Lake Tahoe Blvd
South Lake Tahoe 96150

LATROBE SCHOOL DISTRICT
7900 S. Shingle Rd
Shingle Springs 95682

Latrobe School
7680 S. Shingle Rd
Shingle Springs 95682

Miller's High School
7900 S. Shingle Rd
Shingle Springs 95682

MOTHER LODE UNION SCHOOL DISTRICT
3783 Forni Rd
Placerville 95667

Charles Brown School
6520 Oak Dell Rd
El Dorado 95623

Herbert Green Middle School
3781 Forni Rd
Placerville 95667

Indian Creek School
6701 Green Valley Rd
Placerville 95667

PIONEER UNION SCHOOL DISTRICT

6862 Mt. Aukum Rd
Somerset 95684

Grizzly Pines School
6801 Tyler Rd
Grizzly Flats 95636

Mountain Creek School
6862 Mt. Aukum Rd
Somerset 95684

Pioneer School
6862 Mt. Aukum Rd
Somerset 95684

PLACERVILLE UNION SCHOOL DISTRICT

1032 Thompson Way
Placerville 95667

Edwin Markham School
2800 Moulton Dr
Placerville 95667

Louisiana Schnell School
2871 Schnell School Rd
Placerville 95667

Sierra School
1100 Thompson Way
Placerville 95667

Placerville Community Day School
1032 Thompson Way
Placerville 95667

POLLOCK PINES SCHOOL DISTRICT

2701 Amber Trail
Pollock Pines 95726

Pinewood School
6181 Pine Street
Pollock Pines 95726

Sierra Ridge Middle School
2700 Amber Trail
Pollock Pines 95726

RESCUE UNION SCHOOL DISTRICT

2390 Bass Lake Rd
Rescue 95672

Green Valley School
2380 Bass Lake Rd
Rescue 95672

Jackson School
2561 Francisco Dr
El Dorado Hills 95762

Lake Forest School
2240 Sailsbury Dr
El Dorado Hills 95762

Lakeview Elementary
3371 Brittany Way
El Dorado Hills 95762

Marina Village School
1901 Francisco Dr
El Dorado Hills 95762

Pleasant Grove School
2540 Green Valley Rd
Rescue 95672

Rescue School
3880 Green Valley Rd
Rescue 95672

SILVER FORK SCHOOL DISTRICT

2701 Amber Trail
Pollock Pines 95726

LIST OF ASSETS AND ESTIMATE OF POTENTIAL LOSS

**EL DORADO COUNTY OFFICE OF EDUCATION
ONSITE BUILDINGS OWNED**

Building	Location	Total S.F.	Cost of Replacement
"A"	6767 Green Valley Rd	7,400	\$673,400
"B"	Placerville, CA	2,945	\$267,995
"C"		4,075	\$370,825
"D"		4,498	\$409,318
"E-1"		4,800	\$436,800
"E-2"		4,258	\$387,478
"F"		4,970	\$452,270
"G"		4,052	\$368,732
"H"		12,251	\$1,114,841
"I"		5,600	\$509,600
"J"		14,108	\$1,283,828
P-1		960	\$87,360
P-2		960	\$87,360
P-3		960	\$87,360
Storage Shed		384	\$34,944

Functional value for schools is defined by FEMA as \$91.00 per square foot.

The replacement amount is a VALUE amount only, and does not include costs for site work, utilities, or the contents of the buildings.

**EL DORADO COUNTY OFFICE OF EDUCATION
OFFSITE BUILDINGS OWNED**

Building	Location	Total S.F.	Cost of Replacement
Al Tahoe	Lake Tahoe	960	\$87,360
Bijou	Lake Tahoe	1,440	\$131,040
Bliss	Placerville	4,546	\$413,686
Bliss	Placerville	960	\$87,360
Blue Oak	Cameron Park	960	\$87,360
Buckeye	Cameron Park	960	\$87,360
Brooks	Cameron Park	960	\$87,360
Camerado Springs	Cameron Park	1,440	\$131,040
Camerado Springs	Cameron Park	1,440	\$131,040
Camino	Camino	960	\$87,360
Charles Brown	El Dorado	960	\$87,360
El Dorado Trade Sch	El Dorado	4,891	\$445,081
Gallion	Mt. Aukum	930	\$84,630
Georgetown	Georgetown	960	\$87,360
Georgetown	Georgetown	960	\$87,360
Gold Oak	Pleasant Valley	5,605	\$510,055
Gold Oak	Pleasant Valley	960	\$87,360
Gold Trail	Placerville	960	\$87,360
Indian Creek	Placerville	960	\$87,360
Markham	Placerville	960	\$87,360
Melendez	Placerville	1,120	\$101,920
Oak Meadow	El Dorado Hills	960	\$87,360
Pacific Street	Placerville	4,083	\$371,553
Pinewood	Pollock Pines	960	\$87,360
Pollock Pines	Pollock Pines	960	\$87,360
Ponderosa	Shingle Springs	1,440	\$131,040
ROP	Yerington, Nevada	3,600	\$327,600
Silva Valley	El Dorado Hills	960	\$87,360
Silva Valley	El Dorado Hills	640	\$58,240
Smith Flat	Placerville	4,588	\$417,508
Smith Flat	Placerville	1,152	\$104,832
Smith Flat	Placerville	960	\$87,360
South Tahoe Middle	Lake Tahoe	672	\$61,152
Tahoe House	Lake Tahoe	1,089	\$99,099
Tahoe Multi-Use	Lake Tahoe	7,000	\$637,000
Tunnel Street	Placerville	1,394	\$126,854
Veerkamp Park	Placerville	880	\$80,080
Winnie Wakeley	Camino	8,360	\$760,760

Functional value for schools is defined by FEMA as \$91.00 per square foot.

The replacement amount is a VALUE amount only, and does not include costs for site work, utilities, or the contents of the buildings.

**EL DORADO COUNTY OFFICE OF EDUCATION
OFFSITE BUILDINGS LEASED**

Building	Location	Total S.F.	Cost of Replacement
P-5	EDCOE	2,160	\$196,560
Blue Oak	Cameron Park	960	\$87,360
Blue Oak	Cameron Park	960	\$87,360
Carlton Bldg	Shingle Springs	2,200	\$200,200
Gilmore Street	Placerville	2,000	\$182,000
Gold Trail D.O.	Placerville	1,500	\$136,500
Green Valley	Rescue	960	\$87,360
Jackson	El Dorado Hills	960	\$87,360
Lake Forest	El Dorado Hills	960	\$87,360
Pollock Pines D.O.	Pollock Pines	960	\$87,360
Schnell School	Placerville	1,056	\$96,096
White Rock	El Dorado Hills	1,400	\$127,400

Functional value for schools is defined by FEMA as \$91.00 per square foot.

The replacement amount is a VALUE amount only, and does not include costs for site work, utilities, or the contents of the buildings.

EVALUATION AND ENHANCEMENT OF THE PLAN

El Dorado County has a unique topography that is consistently changing. With new growth in the county, comes new students; and new students means new classrooms and schools. El Dorado County Office of Education and its school districts are committed to ensuring that school campuses are a safe and healthy environment for our children.

The schools have created relationships with allied agencies, including El Dorado County Sheriff's Department, and the City of Placerville. Both agencies oversee emergency services in the County. El Dorado County schools work in partnership with all public agencies before, during, and after a disaster or emergency.

El Dorado County Office of Education and its school districts will continue to work with all agencies to review and revise the Hazard Mitigation Plan as the needs of our community change.