



**City of Winters**

**Community Profile Information**

*Yolo County Operational Area Multi-Jurisdictional Hazard Mitigation Plan*

*December 2012*

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## City of Winters

### GENERAL INFORMATION

#### OVERVIEW

The City of Winters is a small, General Law municipality located in the southwestern section of Yolo County. Winters is a regional service center to the unincorporated area of Yolo County, including agricultural operations. It is also a transportation service center, serving the Interstate 505 corridor. Winters consists of a balanced mixture of residential, commercial, service, and light industry activity.

#### HISTORY

The settlement of the Winters area began in 1842 with a land grant from the Mexican government of 17,750 acres along Putah Creek to William Wolfskill. Members of the Wolfskill family established residences and ranches on Putah Creek and began the planting of vegetable crops and the areas' first fruit trees and grapevines.

In 1865 Theodore Winters, a race horse breeder and entrepreneur purchased one of the Wolfskill ranches. Mr. Winters is credited with promoting thoroughbred horse racing in the West, and the land he purchased soon sported a ranch, stables, and a racetrack. It was in 1875, with the extension of the Vaca Valley Railroad to the north bank of Putah Creek that the town was established. The Stevenson brothers, owners of the railroad named the forty acre town site for Theodore Winters, a major supporter of the railroad extension, and from whom the land was purchased.

As the northern terminus of the Vaca Valley Railroad, this new settlement initially grew rather quickly. The original produce shipped from the area included peaches, almonds, plums, pears, cherries, figs, oranges, olives, barley and wheat. Winters became a busy agricultural center and several new businesses were established to support the agricultural industry and the town residents. Among them was the establishment of the Winters Express newspaper in January of 1884 which continues in existence to this day and is the primary source of local news for Winters residents.

On April 19, 1892 Winters was rocked with a violent earthquake. One death was reported and several businesses and residences suffered extensive damage. Shelter for the homeless during reconstruction consisted of sleeping cars provided by the Southern Pacific Railroad and National Guard tents. In late 1896, a meeting was held in the Opera House to seek the incorporation of the town of Winters. It was not until 1898, however, that the city was incorporated. A few months later, the Volunteer Fire Department was established and in 1897, the Winters Dried Fruit Company, which would become a major economic force in the community, was organized.

The town thrived on its commercial/agriculture base. New fruit sheds and warehouses were constructed. The prune and apricot growers were organized in 1916 and the Winters Dried Fruit Company, established in 1897, handled the operation for the association. It also purchased the Winters Canning Company, remodeling the building into a modern plant that packed and shipped fruit to several foreign countries as well as throughout the United States.

The growth of Winters was somewhat subdued during the years from 1920 to 1940. There was a refinement of early growth during the 1920's and some construction activity in the middle and late years of that decade. The strong agricultural base of the region sustained the town, its bank, and its industry through the ensuing Depression years, when dried apricots sold for as little as a nickel a

pound. The productivity of the land and the determination of its inhabitants kept the town operating, but little construction appears to have occurred during the early 1930's.

More recent years have seen some gradual changes in the composition and character of the population and in the prominence of different crops. The predominant production of fresh fruits, particularly apricots, peaches, and cherries, has gradually been replaced by the nut industries, due to marketing trends and the difficulty of handling the ripe fruits. Additionally the agricultural community has responded to the demand for organic produce by becoming home to several organic growers. There has been a transition of migrant farm workers to a stable agricultural labor force and contract labor. Fruit packing plants have been relocated to the rural areas and current trends are reviving the 1920's practice of selling fruit directly to the public at the production ranch site. Agricultural lands north and east of Winters are chiefly devoted to rotation crops of tomatoes, grains, alfalfa and rice.

Winters continues to maintain its rural hometown charm and embraces its heritage while looking towards the future. In 1985, the city adopted an ordinance which created a Historical Preservation Commission and established procedures for designating and protecting historical landmarks and districts. This ordinance established a historical district, which encompasses the one-block area along Main Street - between Railroad Avenue and First Street, which is Downtown Winters. The Historic Resources Inventory identifies 14 structures as being potentially eligible for inclusion in the National Register of Historic Places.

These attractive historic buildings retain their architectural detail and also reflect the city's growth and economic development policies which aim to encourage investment at the center of the community. Although nearby technology facilities, regional tourism, Cache Creek Casino Resort and UC Davis all continue to expand agriculture remains the basis of the local economy. Winters is the regional center for farms growing and distributing the high quality, value-added produce that supplies many of Northern California's farmers markets and most renowned restaurants.

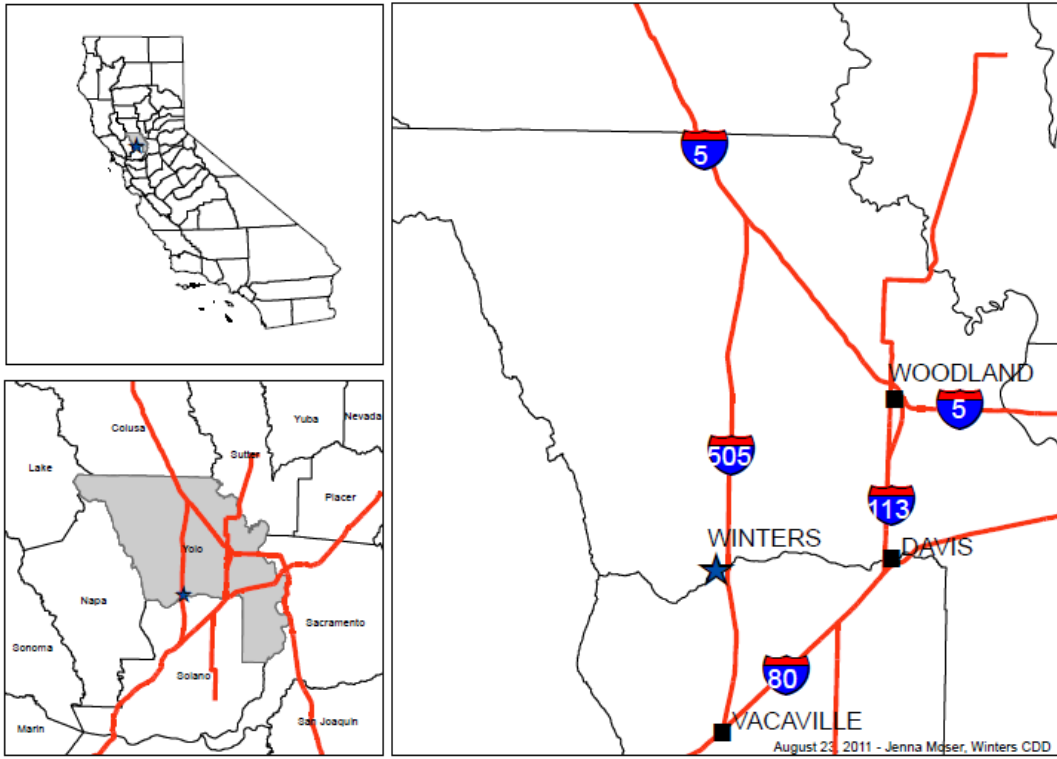
Winters is also home to an arts and artisan community, and residents prize the quality of life in a small town that is close to a major metropolitan area as well as expansive recreational and open space areas. With these and other attributes, Winters' desirability as a place to live and work will continue to grow.

## **FACTS**

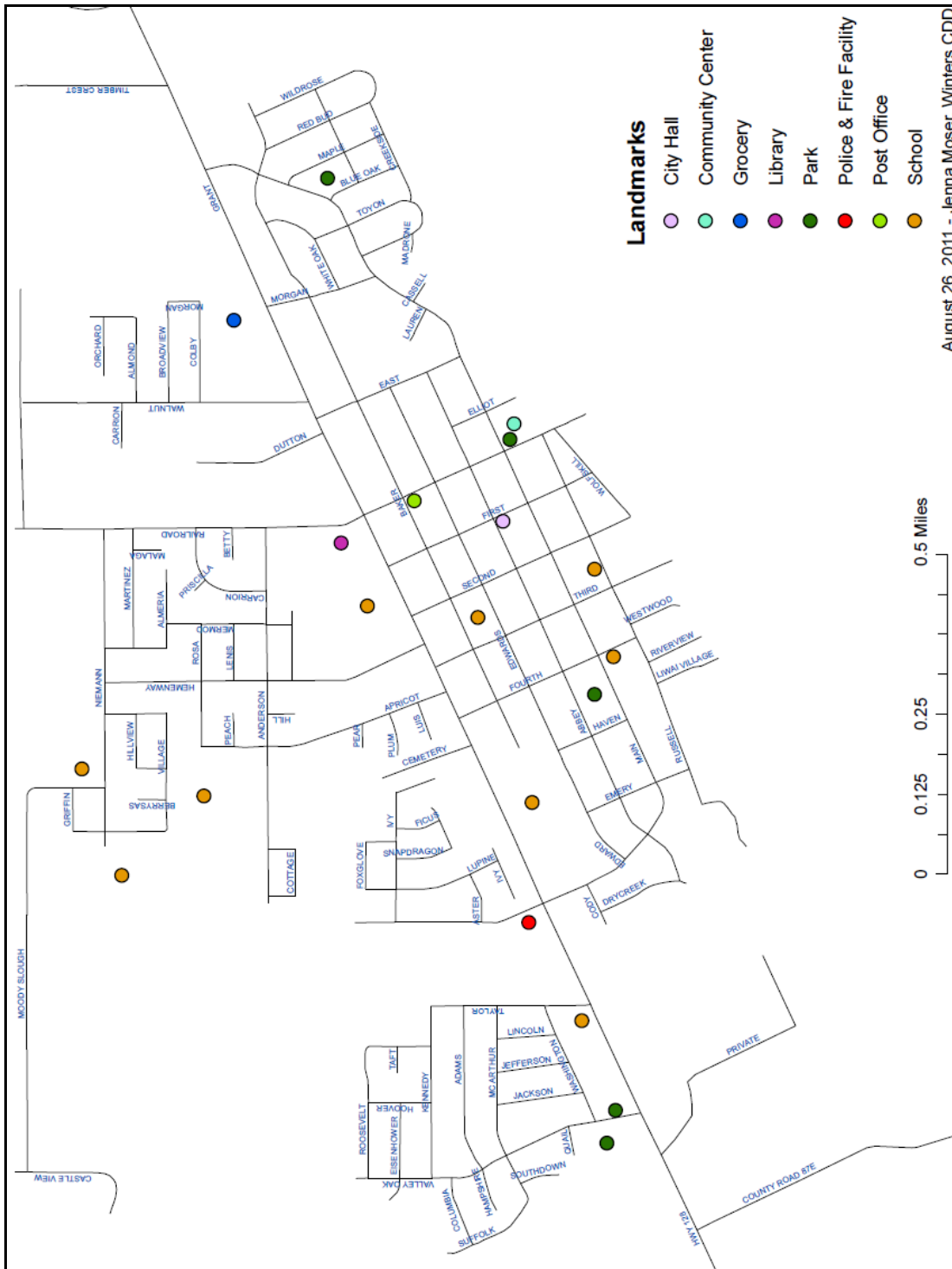
### **Location & Geophysical Features**

The City of Winters is located in the southwestern corner of Yolo County. The southern boundary of the city is Putah Creek. The city is bordered to the west by Dry Creek and a view of the Vaca Mountain Range. The eastern city limit is now Highway 505 while the northern boundary runs to vast tracts of farm land. Winters is located approximately 10 miles west of the city of Davis and 10 miles north of the city of Vacaville. Winters' urban limit line contains approximately 1,980 acres; of which 1,277 are currently within the incorporated limits.

### Regional Map of Winters



### Winters Street Map



## Weather & Climate

### Winters Weather

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average temp. (°F)	46.2	51.2	55.4	61.2	68.2	74.6	77.9	76.7	73.3	65.5	53.8	46.3
High temperature (°F)	54.8	61.3	66.6	74.4	82.9	90.9	95.8	94.3	89.8	80.3	65.0	55.6
Low temperature (°F)	37.6	41.1	44.2	47.9	53.4	58.2	60.0	59.1	56.8	50.7	42.6	37.0
Precipitation (in)	5.1	4.7	3.6	1.0	.64	.12	.03	.05	.26	1.0	2.9	3.5

### Normal Climate Around Winters

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Days with precip.	10	9	9	5	3	1	0	0	1	3	7	9
Wind speed (mph)	7.1	7.3	8.4	8.6	9.0	9.6	8.9	8.4	7.4	6.4	6.0	6.4
Morning humidity (%)	91	89	86	83	82	78	77	78	77	79	87	88
Afternoon humidity (%)	70	61	53	44	38	32	30	29	31	37	57	67
Sunshine (%)	48	65	74	82	90	94	97	96	93	86	66	49
Days clear of clouds	7	8	10	12	17	22	27	26	24	19	10	8
Partly cloudy days	6	7	9	10	9	6	3	4	4	6	8	6
Cloudy days	19	13	12	8	5	2	1	1	2	6	12	17
Snowfall (in)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*Based on data reported by main weather stations*

## DEMOGRAPHICS

### Population

Population (year 2010): 6,624 (Population change since 2000, +5%)

Males: 3,365 (50.8%), Females: 3,259 (49.2%)

Median resident age: 31.1 years

Median household income: \$64,661 (year 2009)

Median house value: \$297,884 (year 2009)

Races in Winters:

- White (70.0%)
- Hispanic (52.4%)
- Other race (22.5%)
- Two or more races (5.0%)
- American Indian (.80%)
- Black (.60%)
- Asian (1.0%)
- Pacific Islander (.10%)

*(Total can be greater than 100% because Hispanics could be counted in other races)*

Ancestries: German (12.4%), Irish (9%), Italian (6.1%), United States (5.8%), English (4.1%), French (1.9).

*For population 25 years and over in Winters*

- High school or higher: 72.2%
- Bachelor's degree or higher: 18.1%
- Graduate or professional degree: 6.1%
- Unemployed: 6.8%
- Mean travel time to work: 24.3 minutes

*For population 15 years and over in Winters*

- Never married: 27.1%
  - Now married: 60.8%
  - Separated: 1.1%
  - Widowed: 4.4%
  - Divorced: 6.6%
- 24% foreign born (22.5% Latin America).

## **Housing**

*Single-family new house construction building permits:*

- 1996: 17 buildings, average cost: \$96,500
- 1997: 5 buildings, average cost: \$97,300
- 1998: 51 buildings, average cost: \$85,900
- 1999: 37 buildings, average cost: \$88,500
- 2000: 29 buildings, average cost: \$120,200
- 2001: 46 buildings, average cost: \$130,300
- 2002: 56 buildings, average cost: \$152,900
- 2003: 100 buildings, average cost: \$156,600
- 2004: 32 buildings, average cost: \$98,800
- 2005: 4 buildings, average cost: \$180,300
- 2006: 1 building, cost: \$180,300
- 2007: 0 buildings
- 2008: 0 buildings
- 2009: 0 buildings
- 2010: 1 building; cost \$275,000

## **Winters Compared to California State Average:**

- Black race population percentage significantly below state average.
- Hispanic race population percentage significantly above state average.
- Median age below state average.
- Foreign-born population percentage above state average.
- Length of stay since moving in below state average.



- House age below state average.
- Percentage of population with a bachelor's degree or higher below state average.

**Labor & Employment**

Industries providing employment: Construction (24%); Agriculture, Forestry, Fishing & Hunting (16%); Retail Trade (10%); Manufacturing (8%); Transportation & Warehousing (8%); Public Administration (4%) and Other Except Public Administration (4%).

**Income**

- Estimated median household income in 2009: \$64,661 (up from \$48,678 in 2000)
- Estimated aggregate household income in Winters in 2009: \$168,465,452
- Estimated median family income in 2009: \$73,603
- Estimated per capita income in 2009: \$24,261
- Change in median per capita income between 2000 and 2009: +41.6%

**Employment Levels**

The State of California Employment Development Department reports the following unemployment rates for Winters:

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Rate	4.8%	4.8%	5.7%	6.1%	5.8%	6.4%	5.9%	6.5%	8.4%	12.8%

(Note: Annual unemployment data is not available for 2010)

**GOVERNMENT**

**ORGANIZATION**

**Executive Governance**

Winters has a Council-Manager form of government. The City Council is an elected, five-member governing body of the City. All five Council Members serve staggered four-year terms. The Mayor is selected as the candidate receiving the most votes in the election and serves two years as Mayor Pro Tem, then two years as Mayor. Regular City Council meetings are held on the first and third Tuesdays of each month in the City Council Chambers at City Hall. The Mayor is the official spokesperson for the City Council. The City Manager provides support and advice to the City Council and serves as the Chief Administrative Officer responsible for the day-to-day administration of City business, implementation of Council policies, and the fostering of community relationships and inter-agency collaboration. Appointed commissions include a Planning Commission.

**Policy & Direction**

Economic development in Winters to enhance recurring revenues and enhance the fiscal sustainability of the City is our highest priority. Economically the City's lack of growth and economic development represents a significant issue for the community. While demands grow for public safety, recreational and senior services, the lack of fiscal growth and resources significantly limits the City's ability to be responsive to our residents' needs. A significant downturn in the economy has delayed the construction of new commercial properties and housing development. Additionally it is anticipated that fiscal problems at the State level will have a negative effect on the City's budget for years to come.

Over the past several fiscal years the City of Winters has worked to position itself in a manner that enhances its ability to operate and provide a higher level of efficiency and quality of services. From Public Works to Police and Fire, the City of Winters prides itself in its ability to constantly perform better in serving its residents.

The City has a solid strategy for repair and replacement of its infrastructure, with many capital projects implemented to fix and rehabilitate water and sewer systems and deteriorating streets. City parks and landscaped areas have never looked better. City staff are better trained and are performing at levels never experienced before. As an organization, the City's goal is always to improve the services provided to residents. City employees take pride in the work they perform and always work to keep things running smoothly and within budget.

The City has worked diligently to build up its reserves to maintain a conservative fiscal protection for the community. The need to use some of those reserves during the past few years has become a reality until revenues are increased. The need for economic development to add revenue is seen as the most important priority of the City.

**Financing**

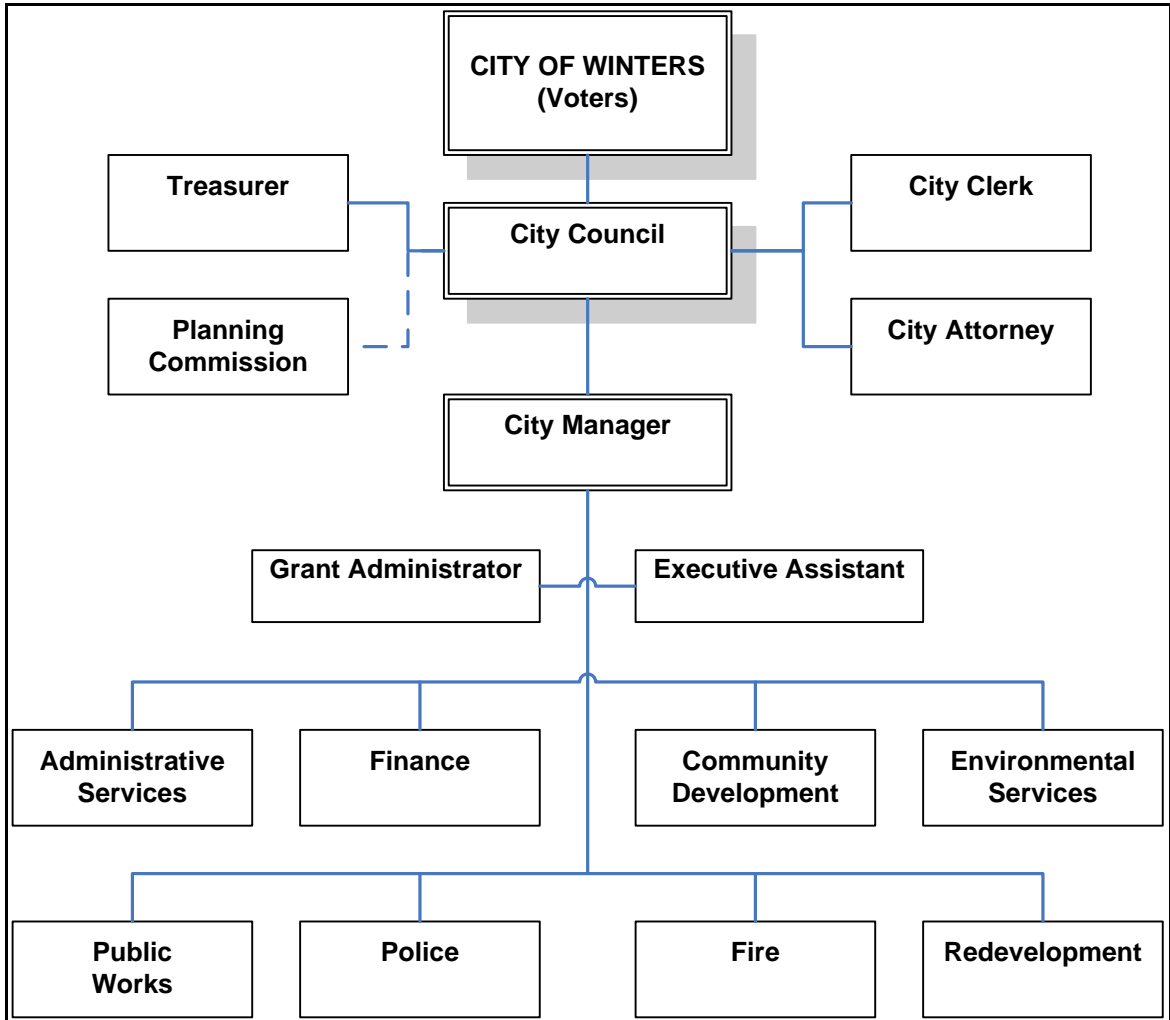
Projected revenues and budgeted expenditures for the City of Winters for fiscal year 2011-2012 are as follows:

**FY11-12 City Budget**

General Fund Revenues Projected	\$3,299,598.00
General Fund Budgeted Expenditures	\$3,476,643.00
Special Fund Revenues Projected	\$974,342.00
Special Fund Budgeted Expenditures	\$806,476.00
Capital Fund Revenues Projected	\$642,910.00
Capital Fund Budgeted Expenditures	\$207,896.00
Enterprise Fund Revenues Projected	\$2,509,664.00
Enterprise Fund Budgeted Expenditures	\$2,297,811.00

## Departments

### City of Winters Organization



## Government Services

The City of Winters provides the following services directly to its citizens through municipal departments:

- Police Protection
- Fire Protection
- Public Works – water, streets and trees
- Community Center
- Visitors Center (contracted services)
- Recreation Programs for adults and youths
- After School Program
- Parks
- Building Inspection and Community Development
- Housing Programs – First Time Home Buyer and Senior Housing Rehabilitation
- Monthly Newsletter and Social Media Outreach
- Transportation Services to Medical Appointments for the Elderly

The City Contracts for the following services for its citizens:

- Refuse Collection, Recycling, Green Waste Collection and Street Sweeping – Waste Management
- Sewer/Wastewater Treatment – Southwest Water Company

Additional services provided to Winters citizens through other agencies:

- Public Transportation – Yolo Bus/County of Yolo
- Public Education – Winters Joint Unified School District
- Senior Lunches/Meals on Wheels – Elderly Nutrition Program

## COMMUNITY ACTIVITY

### BUSINESS & ECONOMIC PROFILE

#### Major Businesses

- Mariani Nut Company - 709 Dutton Street
- Buckhorn Restaurant Group - 111 Main Street
- Teichert Readymix Plant - 27710 County Road 90
- Pavestone Company - 27600 County Road 90

#### Retail Outlets

- Chevron Service Station - 999 E Grant Avenue
- Arco Service Station/AM/PM Market – 701 B Matsumoto Lane
- Town & Country IGA Market - 121 E Grant Avenue

## Health & Wellness

### HOSPITALS/MEDICAL CENTERS

#### Hospitals

There are no acute care hospitals in Winters.

#### Medical Clinics

- Winters Healthcare Foundation Clinic - 23 Main Street
- Sutter West Medical Group - 111 E Grant Avenue

#### Skilled Nursing Home Facilities

None

### EDUCATION

#### Colleges/Universities in Winters

There are no universities or colleges located in Winters.

#### Public Primary & Secondary Schools in Winters

**Public Primary & Secondary Schools in Winters**

School	Location	Grades
Waggoner Elementary School	500 Edwards Street	K-3
Shirley Rominger Intermediate School	502 Niemann Street	4-5
Winters Middle School	425 Anderson Avenue	6-8
Winters High School	101 Grant Avenue	9-12
Wolfskill Continuation High School	200 Baker Street	9-12
Winters Preschool	219 Edwards Street	Pre-Kindergarten

## INFRASTRUCTURE

### OVERVIEW

Critical infrastructure within city jurisdiction are roadways, including two bridges, communication systems (land line and cellular telephone, public safety radio network) and utilities (electrical power, water supply, sewage treatment, natural gas and petroleum fuels). Residents rely heavily on these critical infrastructure items being in place and working properly. A disruption in any of these could threaten the safety of Winters residents and have a severe economic impact.

### COMMUNICATIONS

#### Telephone

Primary landline commercial phone service is provided by AT&T however there are several cellular networks operating in the area.

**Data Networks**

Wave Cable, SBC Global and Winters Broadband are the major data network providers.

**Community Cable TV**

Wave Cable provides community cable television service.

**Broadcast Media**

The following television stations broadcast signals to the jurisdiction:

**Television Stations**

Call Sign	Broadcast Point	Call Sign	Broadcast Point
KCRA Channel 3	Sacramento	KSPX Channel 29	Sacramento
KVIE Channel 6	Sacramento	KMAX Channel 31	Sacramento
KXTV Channel 10	Sacramento	KTXL Channel 40	Sacramento
KOVR Channel 13	Stockton	KQCA Channel 58	Stockton
KEZT-CA Channel 23	Sacramento		

**AM Radio Stations**

<b>AM Radio Stations Serving Winters</b>			
Call Sign	Broadcast Point	Call Sign	Broadcast Point
KCBS – 740	San Francisco	KIQI – 1010	San Francisco
KFBK – 650	Sacramento	KTCT – 1050	San Mateo
KSTE – 650	Rancho Cordova	KGO – 810	San Francisco
KHTK – 1140	Sacramento	KFAX – 1100	San Francisco
KTRB – 860	Modesto	KCBC – 770	Riverbank
KFIA – 710	Carmichael	KATD – 990	Pittsburg
KNBR – 680	San Francisco		

**FM Radio Stations**

<b>FM Radio Stations Serving Winters</b>			
Call Sign/Frequency	Broadcast Point	Call Sign/Frequency	Broadcast Point
KUIC – 95.3	Vacaville	KNDL – 8.9	Angwin
KLVR – 91.9	Santa Rosa	KXTS – 100.9	Calistoga
KBBF – 89.1	Santa Rosa	KKSF (FM1) – 103.7	Pleasanton
KBLX (FM2) – 102.9	Pleasanton	KSOL (FM3) – 98.9	Pleasanton
KFRC (FM3) – 99.7	Walnut Creek	KZBR (FM1) – 95.7	Walnut Creek
KKFS – 105.5	Dunnigan	KISQ (FM3) – 98.1	Concord
KMEL (FM1) – 106.1	Concord	KSXY – 98.7	Middletown
KSFM – 102.5	Woodland	KRCX – 99.9	Marysville
KSFB – 100.7	San Rafael	KMJE – 101.5	Gridley

## **Print Media**

The following local and regional newspapers serve the jurisdiction:

- Winters Express
- Davis Enterprise
- Vacaville Reporter
- Daily Democrat (Woodland)
- Sacramento Bee

## **TRANSPORTATION**

### **Highways**

The City of Winters is served by the following primary highways:

- Interstate 505
- State Highway 128

### **Rail**

There are no rail lines, terminals or passenger stations within the jurisdiction.

### **Airports**

There are no commercial or general aviation airports within the City of Winters, however the following area and regional air transport facilities serve the jurisdiction:

- Sacramento International Airport (Commercial Aviation)
- Yolo County Airport (General Aviation)

### **Marine**

Although Winters borders Putah Creek there are no navigable waterways within or shared by the jurisdiction.

### **Pipeline**

Two major natural gas pipelines owned by Pacific Gas & Electric run side by side through Winters.

## **UTILITIES & LIFELINES**

### **Power**

Pacific Gas and Electric Company (PG&E) provides commercial power to the jurisdiction.

### **Water**

Water is provided by the City of Winters Water Department. The system is comprised of five (5) wells, the City utilizes groundwater only. Water is disinfected with chlorine with no other treatment or additives. There are no water storage facilities. On average 550 million gallons are produced per year, serving 2025 water service connections. The system operates at a pressure of 55-60 psi (pounds per square inch). Wells are able to respond independently and jointly to address pressure changes and demand. The City has recently added a SCADA system and also installed water meters at all service locations

**Natural Gas**

The City receives its pressurized natural gas service through the Pacific Gas and Electric Company.

**Waste Water Treatment**

The City contracts with Southwest Water Company for its waste water treatment.

**Solid Waste Management**

The City contracts with Waste Management for refuse collection, curbside recycling, street sweeping and green waste collection.

**HAZARD IDENTIFICATION**

The Steering Committee for the City of Winters identified hazards that affect the city and developed hazard profiles based upon the countywide risk assessment, past events and their impacts. Definitions for the rankings and a detailed explanation of the hazards can be found in Element B: Hazard identification and Risk Assessment of the Yolo County MHMP Base Plan.

**City of Winters—Hazard Profiles**

Hazard	Probability of Occurrence	Geographic Extent & Potential Magnitude	Priority Hazard
Dam Failure	Unlikely	Critical	No
Drought	Likely	Critical	Yes
Earthquake	Occasional	Critical	Yes
Flood	Likely	Catastrophic	Yes
Severe Weather	Highly Likely	Catastrophic	Yes
Volcanic Activity	Unlikely	Critical	No
Wildfire	Highly Likely	Critical	Yes

**Previous Occurrences**

Information on previous occurrences for the hazards is located in Element B of the Yolo County MHMP Base Plan.

**Vulnerability Assessment**

The vulnerability assessment analyses the population, property and other assets at risk to natural hazards in the City of Winters. This section lists assets at risk to natural hazards including critical facilities and infrastructure. It also discusses the impacts that occurred in past events and vulnerability to specific hazards ranked affecting the City of Winters with a high or medium significance.

**CITY OF WINTERS CRITICAL FACILITIES**

**City of Winters Critical Facilities**

Facility	Location	Facility	Location
City Hall	318 First Street	Water Well #2	201 East Street
Administrative &	318A First Street	Water Well #4	702 Valley Oak Drive



Facility	Location	Facility	Location
Finance Offices			
Public Safety – Fire	700 Main Street	Water Well #5	500 Niemann Street
Public Safety – Police	702 Main Street	Water Well #6	501 E. Main Street
Corporate Yard	19 E. Baker Street	Water Well #7	700 Main Street
Corporate Yard Garage	19 E. Baker Street	Lift Station 1	811 Walnut Lane
Community Center	201 Railroad Avenue	Lift Station 2	200 East Street
Wastewater Treatment	200 East Street	Lift Station 3	700 Main Street
Spray Fields & Ponds	27999 Co Road 32A	Lift Station 4	100 Myrtle Circle

### Community Facilities in Winters

- Winters Community Library - 708 Railroad Avenue
- Winters Community Center - 201 Railroad Avenue
- Winters Outdoor Amphitheatre – 201 Railroad Avenue
- City Park - Fourth & Main Street
- Rotary Park - E Main & Railroad Avenue
- Blue Oak Park - E Main & Maple Lane
- Valley Oak Park - South End of Valley Oak Drive

### ESTIMATING POTENTIAL LOSSES

The Total Exposure to Hazards table shows the maximum population and building exposure in the City of Winters in terms of population and the number and values of structures. More information on how these estimates were calculated can be found in Element B.3 Vulnerability Assessment of the Yolo MHMP Base Plan.

#### Total Exposure to Hazards

Jurisdiction	Exposed Population	Buildings	
		Number	Value
City of Winters	6,624	1930	\$288,493,292
<b>Total</b>	6,624	1930	\$288,493,292

Source: City of Winters Steering Committee; Yolo County GIS

#### City of Winters Valuation of City Owned Property

Facility	Address	Valuation
Winters City Hall	318 First Street	\$1,273,170 (1,970,345)*
Winters Admin & Finance Bldg.	318A First Street	\$348,374*
Winters Public Safety Facility	700 & 702 Main Street	\$8,500,000*
Winters Community Center & Shed	201 Railroad Avenue	\$1,358,079 (1,428,633)*
Corp Yard, Garage, Office & Tank	19 E. Baker Street	\$724,280 (1,159,175)*
Grant Avenue Commercial Property	Grant Avenue at East Street	\$908,000

Facility	Address	Valuation
Rogers Building		\$207,000
314 Railroad Avenue	314 Railroad Avenue	\$335,000 (360,780)
318 Railroad Avenue	318 Railroad Avenue	\$240,000 (298,932)
Winters Day Care Center	208 Fourth Street	\$306,719*
12-14 Abbey Street	12-14 Abbey Street	\$560,000
Parking Lot	311 First Street	\$220,000
Parking Lot	Railroad Avenue between Abbey & Main Sts.	\$265,000
Pocket Park	23 Main Street	\$220,000
City Park w/ restrooms	401 Main Street	\$115,974 (130,479)*
Rotary Park, Gazebo & Restrooms	201 Railroad Avenue	\$187,105*
Valley Oak Park	702 Valley Oak Drive	
Blue Oak Park	400 East Main Street	\$60,105*
Putah Creek Nature Park	250 and 600 Creekside Way	
Trestle Pedestrian/Bike Bridge	Across Putah Creek at 201 Railroad Avenue	
Well #2	201 East Street	\$38,358 (157,007)*
Water Well #3 & Tank	402 Main Street	\$306,736 (425,411)*
Well #4	702 Valley Oak Drive	\$10,357 (142,218)*
Well #5	West end of Niemann Street	\$25,455 (163,908)*
Well #6	501 East Main	\$23,255 (682,550)*
Well #7	700 Main Street	\$585,546 (833,104)*
Wastewater Treatment Facility	200 East Street	\$153,109 (\$548,686)*
Spray Fields and Ponds	County Road 32A	\$42,701 (618,479)*
Lift Station 1	811 Walnut Lane	\$26,025*
Lift Station 2	200 East Street	
Lift Station 3	700 Main Street	\$26,025*
Lift Station 4	100 Myrtle Circle	\$197,787*

\*Based on values for structures (and contents) used for insurance valuation. Amount does not include value of the land.

### Monticello Dam Failure

Monticello Dam is a thin arch concrete structure 270 feet high. It impounds a maximum of 1,602,300 acre-feet creating Lake Berryessa in Napa County, 10 miles west of Winters. In the event of failure, Monticello Dam presents a high hazard to downstream areas and extensive loss of life and property would likely occur.

Large uncontrolled water releases into Putah Creek could occur resulting from either a major or partial dam failure, or earthen slides into Lake Berryessa, which could cause overtopping of the dam.

The unstable area adjacent to the dam crest at its contact with the left abutment will be closely monitored by the dam tender during the rainy season and after seismic activity. Landslides into the down stream channel could impound water but releases would be expected to be gradual as the new "dam" was eroded away. Severe storms are not expected to cause rapid rises in the water surface of Lake Berryessa.

### Inhabited Areas of Potential Inundation

Monticello Dam		
Location	Time From Dam Break To Flooding	Response Actions
SR128 & CR87	0 hr. 20 min.	Evacuate, close roads
City of Winters	0 hr. 30 min	Evacuate, close roads
D.Q. University	1 hr. 45 min.	Evacuate campus
Fairfield School (CR98 & Russell Blvd)	2 hr. 30 min.	Evacuate school
City of Davis (west edge)	2 hr. 45 min.	Evacuate
Sutter- Davis Hospital	3 hr. 00 min.	Evacuate
City of Davis (downtown)	3 hr. 30 min.	Evacuate
El Macero (I-80 & Mace Blvd)	4 hr. 15 min	Evacuate, close roads
I-80 & CR105	4 hr. 30 min.	Close roads

### Earthquake

Earthquakes in Yolo County are most critical for the western portion of the county including the City of Winters. Seismic evaluation of Monticello Dam indicates it could withstand an earthquake of Richter magnitude 6.5 with the epicenter located 0.5 miles from the dam. Thus, the dam is considered secure from such an occurrence. The topography of the lake relative to the size of potential slides makes the possibility of dam overtopping very unlikely. Any landslide that would move into the outlet works or spillway area would be especially dangerous to the dam.

Additionally, the HAZUS modeling conducted for Yolo County shows that the unreinforced masonry buildings will be impacted in mostly the unincorporated areas and the Cities of Winters and Woodland.

### Flooding

Flooding in the City of Winters since the completion of Monticello Dam on Putah Creek has been limited to that caused by overflow from Dry Creek, runoff from the Moody Slough watershed north and west of the City of Winters, and runoff from the business and residential area south of State Highway 128.

Approximately every 2 to 5 years, rains producing runoff have caused flooding along the western side of County Road 89 (Railroad Street), from Edwards Street in the City of Winters north to the Moody Slough crossing. Inadequate bridge and channel capacity causes water to overtop County Road 89. The water then continues eastward to Interstate Highway 505, flooding areas along Moody Slough, Willow Canal, and State Highway 128. The low-lying area west of Winters Cemetery is inundated by local runoff.

One of the most severe floods occurred on December 19-20, 1955, when 7.02 inches of rain were recorded in 48 hours. In the City of Winters several basements and businesses were flooded, as was much of the surrounding agricultural area. Traffic on County Road 89 was halted. This flood was approximately a 20-year event.

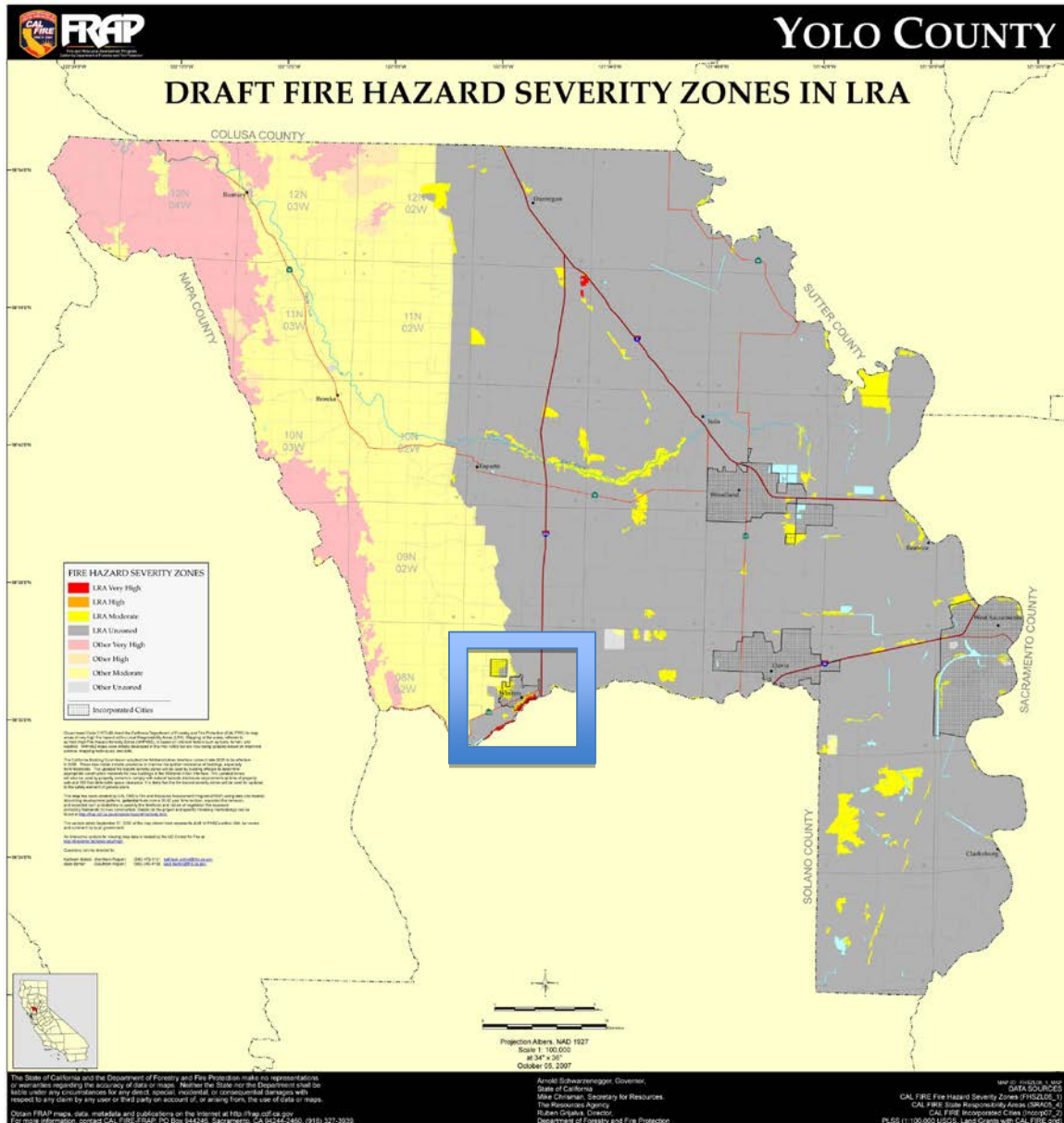
**Severe Weather**

Severe weather occurrences in the City of Winters occur frequently with the seasonal changes in Yolo County. Impacts from severe weather such as extreme temperatures, heavy rains and wind are downed trees in roadways, power outages, and localized flooding. Many of these impacts are the same as those described in Element B of the Yolo MHMP base plan.

**Wildfire**

Most wildfires that occur are along the Southern portion of the city in a Very High Severity Zone and High Severity Zone and are shown in the Map below. Large fires in this area impact local resources and access to the community.

**Yolo County Cal Fire, Fire Severity Zone Map  
Local Responsibility Area (LRA)**



### **FUTURE DEVELOPMENT TRENDS**

The economic downturn brought development in Winters to a virtual halt. Fortunately through sound fiscal management and improvement projects and programs put into place prior to the State of California mandate dissolving redevelopment agencies the City continued to provide a high level of service to its residents and businesses in the historic downtown district remained open. Unlike other small cities turning into ghost towns, downtown Winters is a busy place with visitors from out of town flocking to take advantage of the small town charm, good food and burgeoning wine and brewery industry.

Recently interest in development has picked up. A Burger King – Arco/AM-PM was constructed at the I-505 interchange. The success of the project has drawn the interest of others for the highway commercial area located just off the freeway. Developers have been pursuing the location of hotels downtown and at the I-505 interchange. A new retail store was recently approved for construction on Grant Avenue and a local credit union is planning a branch in town. The bulk of the non-residential development is expected to take place along the I-505/Grant Avenue corridor.

The City is renegotiating several residential development agreements with terms making it easier for new homes to be built in the City without compromising the desires and needs of the residents. Developers have been showing strong interest in pursuing projects and it is anticipated that the start of a new housing development will be a reality within the next few years. New residential development will primarily take place along the north side of the City.

### **CAPABILITY ASSESSMENT**

Capabilities are the programs and polices currently in use to reduce hazard impacts or that could be used to implement hazard mitigation activities. The capability assessment is divided into five sections: regulatory, administrative and technical, fiscal, outreach and partnerships, and other mitigation efforts.

#### **REGULATORY CAPABILITY**

The legal and regulatory capabilities of each jurisdiction are shown in the table below, which presents the existing ordinances and codes that affect the physical or built environment of each jurisdiction. Examples of legal and/or regulatory capabilities can include: a jurisdiction’s building codes, zoning ordinances, subdivision ordinances, special purpose ordinances, growth management ordinances, site plan review, general plans, capital improvement plans, economic development plans, emergency response plans, and real estate disclosure plans.

**City of Winters Regulatory and Planning Capabilities**

<b>Regulatory Tools</b>	<b>YOA</b>	<b>WLD</b>	<b>DAV</b>	<b>WSAC</b>	<b>WIN</b>	<b>YDH</b>
Building code	√	√	√	√	√	√
Zoning ordinance	√	√	√		√	√
Subdivision ordinance or regulations	√	√	√		√	
Special purpose ordinances (floodplain management, storm water management, hillside or steep slope ordinances, wildfire ordinances, hazard setback requirements)	√	√	√	√	√	√
Growth management ordinances (also called “smart growth” or anti-sprawl programs)	√	√	√	√	√	√

Regulatory Tools	YOA	WLD	DAV	WSAC	WIN	YDH
Site plan review requirements	√	√	√	√	√	√
General or comprehensive plan	√	√	√	√	√	
A capital improvements plan	√	√	√		√	√
An economic development plan	√	√	√	√	√	√
An emergency response plan	√	√	√	√	√	√
A post-disaster recovery plan						√
A post-disaster recovery ordinance						
Real estate disclosure requirements	√	√	√	√	√	
Habitat Management Plan	√	√	√	√	√	
Master Drainage, Sewer, Water, & Reclaimed Water	√	√	√	√	√	√
Redevelopment Master Plan	√	√	√		√	

Source: Steering Committee

### Municipal Ordinance

The Winters Municipal Code is current through Ordinance 2011-03, passed April 19, 2011. The following municipal codes and associated ordinances refer to local mitigation and/or associated land use practices and policies.

- Planning Commission – Functions as per Title 7 of the Government Code of the state (Ord. 93-05 §3)
- Disaster and Emergency Organization
- Hazardous Materials – Chapter 11 of Title 6 of Yolo County Code (Ord. 83-07 §1(part))
- Water Service (Ord. 2009-12§1 (part))
- Wastewater (Ord. 80-01§101)
- Backflow and Cross Connection Control – (Ord. 93-002 §1 (part))
- Building Code – Adopted by reference 2007 California Building Code, California Code Volumes 1 & 2 based on 2006 International Building Code including Appendix Chapter 1, Administrative, excluding Sections 104.8, 108.2, 109.3.5 (Ord. 2008-02 §2 (part), editorially amended during 2003 codification, Ord. 2000-03 §2 (part))
- Abatement of Dangerous Buildings – Adopted by reference the Uniform Code for the Abatement of Dangerous Buildings, 1997 Edition as adopted and published by the International Conference of Building Officials (Ord. 2000-03 §2 (part)).
- 15.16 Electrical Code – Adopted by reference 2007 California Electrical Code, California Code of Regulations, Title 24, Part 3, based on the 2005 National Electric Code as published by the National Fire Protection Association... (Ord. 2008-02 §4 (part); editorially amended during 2003 codification; Ord. 2000-03 §2 (part)).
- Fire Code – Adopted by reference 2007 California Fire Code, California Code of Regulations, Title 245, Part 9, based on the 2006 International Fire Code as published by the International Code Council (Ord. 2008-02 §5 (part); Ord. 2003-04 §19 (part); Ord. 2000-03 §2 (part)).



- 15.28 Mechanical Code – Adopted by reference 2007 California Mechanical Code, California Code of Regulations, Title 24, Part 4, based on the 2006 Uniform Mechanical Code as published by the International Association of Plumbing & Mechanical Officials.... (Ord. 2008-02 §7 (part); editorially amended during 2003 codification, Ord. 2000-03 §2 (part)).
- 15.32 Plumbing Code – Adopted by reference 2007 California Plumbing Code, California Code of Regulations, Title 24, Part 5, based on the 2006 Uniform Plumbing Code as published by the International Association of Plumbing and Mechanical Officials... (Ord. 2008-02 §8 (part); editorially amended during 2003 codification; Ord. 2000-03 §2 (part)).
- 15.64 Flood Damage Protection – (Ord. 94-04 (part)).
- 15.84 Historical Building Code – Adopted by reference 2007 California Historical Building Code, California Code of Regulations, Title 24, Part 8 (Ord. 2008-02 §11).
- Reference Standards Code – Adopted by reference 2007 California Referenced Standards Code, California Code of Regulations, Title 24, Part 12 (Ord. 2008-02 §14).
- 16 Subdivisions – (Ord. 2009-05 §1 (part)).
- 17 Zoning – Zoning Plan and Land Use Practices (Ord. 97-03 §2 (part)).

The following Winters Municipal Codes also provide for hazard mitigation:

- 8.04 – Garbage Service
- 8.12 – Weed Abatement
- 8.16 - Mosquito Abatement

### **Boards & Commissions**

The Winters Planning Commission is comprised of seven commissioners appointed by the Winters City Council. Planning Commission terms are four years in length.

### **Planning & Development**

#### **General Plan**

The Winters City Council adopted a revised General Plan on May 19, 1992. As required by law, the General Plan addresses the following seven topics or “elements.” These are land use, circulation, housing, conservation, open space, noise and safety. The plan analyzes issues of importance to the community, sets forth policies in text and diagrams for conservation and development, and outlines specific programs for implementing these policies.

A fundamental objective of the Winters General Plan is to provide for an increased residential base and expanded commercial activity without jeopardizing the traditional small town quality and agricultural heritage of the community. To facilitate the achievement of this objective included in the General Plan are the designation and distribution of 16 land use categories.

Specific sections addressing mitigation and safety are: Part 1 – Land Use Diagram and Standards and Part II – Goals, Policies and Implementation Programs, Section 1 – Land Use and Section VII – Health and Safety.

## **Public Safety & Preparedness**

### **Police Department**

The Winters Police Department is a small city police agency with 10 current fulltime peace officers, which consist of a Police Chief, Sergeant, two Corporals, and seven Police Officers. Patrol operations are 24/7 and officers respond to all calls for services and emergencies.

Officers conduct traffic enforcement, investigate reported criminal offenses, crime prevention, and accident investigation. Since there are no dedicated detectives/investigators for major cases, patrol officers typically investigate all of their own assigned cases, unless reassigned by a superior officer.

The police department also has a community services officer [CSO] who assists records and police operations with several routine duties. The CSO is trained and certified as a crime scene investigator to properly locate and collect evidence.

The police records division consists of three non-sworn employees, which includes the CSO. They enter the data from police reports, citations, and other information collected from police related matters. Records manage all police reports and submit monthly reports to the Department of Justice.

The police department currently has two officers that are field force trained for a mutual aid response for riot control incidents. There are no stipulations or conditions to be on-call or standby for any such events. Their ability to respond is only according to their availability.

### **Fire Department**

The Winters Fire Department currently is staffed with three Fire Chiefs (contracted through the City of Dixon), two Fire Captains, one Firefighter, one Administrative Assistant, Reserve Firefighters and Volunteers. In October of 2011, with the hiring 23 Reserve Firefighters the department went to a 24/7 sleeper program. The Department covers approximately 86 square miles in Yolo County which make up the City of Winters and the Winters Fire District. Services provided by the Winters Fire Department include; fire suppressions, fire prevention, training and public education.

Emergency medical services are provided by department personnel at the First Responder and Emergency Medical Technician (EMT) level. Paramedic services are contracted through American Medical Response (AMR), and their transport unit under contract, must responds to calls for service within fifteen minutes 90% of the time.

We provide and receive mutual aid services from three counties, which include Yolo County, Napa County, and Solano County agencies. The Fire department serves a population of approximately 7000. Station 26 runs approximately 600 calls per year depending on the fire season. The City and the District are served by one station located at 700 Main Street. The Winters Fire Department Currently has an ISO Rating of a 4/8B.

### **Emergency Management & Preparedness**

The City adopted an updated Emergency Operations Plan in April 2010. All City department heads have received a copy of the plan and a training reviewing the plan was held for all City staff. Additionally, all City staff with Emergency Operations Center (EOC) duties have received IS-100 and IS-200 training. Select staff has received and will continue to receive additional training as required of their positions. Included in the City's recently constructed Public Safety Facility is a new EOC equipped with telephones, wireless internet access and multiple monitors with both television



cable and computer screen capability. City staff were trained in the operation of the new EOC in September 2011 and participated in an exercise in October of 2011.

**ADMINISTRATIVE AND TECHNICAL CAPABILITY**

The **Administrative and Technical Capability** table identifies the county personnel responsible for activities related to mitigation and loss prevention in the City of Winters. Many positions are full time and/or filled by the same person. A summary of technical resources follows.

**City of Winters Personnel Capabilities**

Personnel Resources	Department/Position
Engineer and/or Planner with knowledge of land development/land management practices	Community Development and Public Works Department
Professional trained in construction practices related to buildings and/or infrastructure	Community Development Dept./Building Official, Public Works Department
Full time Building Official	Community Development Dept./Building Official
Floodplain Manager	Community Development Department
Emergency Manager	City Manager’s Office, Police Department
Other Personnel Resources	Administrative Services, Fire

Source: Steering Committee

**FISCAL CAPABILITY**

The **Fiscal Capability** table shows specific financial and budgetary tools available to the jurisdictions such as community development block grants; capital improvements project funding; authority to levy taxes for specific purposes; fees for water, sewer, gas, or electric services; impact fees for homebuyers or developers for new development; ability to incur debt through general obligations bonds; and withholding spending in hazard-prone areas.

**City of Winters Available Financial Tools and Resources**

Financial Resources	YOA	WLD	DAV	WSAC	WIN	YDH
Community Development Block Grants	√	√	√	√	√*	
Capital improvements project funding	√	√	√	√	√	
Authority to levy taxes for specific purposes	√	√	√	√	√**	
Fees for water, sewer, gas, or electric service	√	√	√	√	√	
Impact fees for homebuyers or developers for new developments/homes	√	√	√	√	√	
Incur debt through general obligation bonds	√	√	√	√	√**	
Incur debt through special tax and revenue bonds	√	√	√	√	√**	
Incur debt through private activity bonds	√	√	√	√	√**	
Withhold spending in hazard-prone areas	√	√	√	√	√	

\* Subject to grant from State  
\*\* Subject to voter approval

Source: Steering Committee

### **OUTREACH AND PARTNERSHIPS**

The City of Winters is fortunate to have a strong relationship with its neighboring communities and the County of Yolo. The State's take of funds from local municipalities has led to increased collaboration and partnerships. The City is working with other agencies to strengthen JPAs already in place and develop other shared services agreements including in the area of emergency services and the sharing of Fire Chiefs with the City of Dixon.

In addition to partnerships with other local governmental agencies the City of Winters has also partnered with other community organizations. The City has joint use agreements with the Winters Joint Union School District for the shared use of facilities to offer a variety of programs to residents. The City is also one of the partners in the Winters Community Library, a state of the art facility constructed and made possible through a City, School, and County partnership. Additionally the City has partnered with RISE, Inc. allowing them rent at a reduced rate in a City owned building and hiring their students in a variety of City positions. The City also makes use of student interns from the University of California, Davis and Sacramento State University.

## **GOALS AND OBJECTIVES**

City of Winters adopts the hazard mitigation goals and objectives developed by the Steering Committee and described in Element C Mitigation Goals.

## **MITIGATION ACTIONS**

The Steering Committee for City of Winters identified and prioritized the following mitigation actions based on the risk assessment.

**2012 MITIGATION ACTIONS**

**Mitigation Action #1 WIN**

<b>Action:</b>	<b>All Hazards Public Awareness and Disaster Preparedness</b>
<b>Jurisdiction:</b>	City of Winters
<b>Priority:</b>	High
<b>Issue/Background:</b>	There are many different jurisdictions within Yolo County. Each jurisdiction is responsible for their own public awareness and disaster preparedness program for hazards in their community. The level of effort varies by jurisdiction. All jurisdictions are faced with limited resources; some must sacrifice educational outreach campaigns to direct their limited resources to the most critical projects. A unified public awareness and disaster preparedness program will ascertain both broad and targeted needs. Resources will be leveraged by consolidating messaging where appropriate and reaching across jurisdictional lines would greatly benefit the entire county.
<b>Responsible Office:</b>	Winters City Manager's Office
<b>Partners:</b>	Yolo County; Cities of Davis, West Sacramento, Winters, Woodland, Yolo County Housing; Yocha Dehe Wintun Nation; Special Districts; Public Information Officers in each of the participating jurisdictions
<b>Potential Funding:</b>	Homeland Security Grant Programs, Hazard Mitigation Grant Programs, other funding sources as available
<b>Cost Estimate:</b>	\$150,000
<b>Benefits: (Losses Avoided)</b>	Increase in population knowledge of potential hazards and activities needed to mitigate the affects of those hazards
<b>Hazards Addressed:</b>	Drought, Earthquake, Flooding, Severe Weather, Wildfire

**Mitigation Action #2 WIN**

<b>Action:</b>	<b>Convene Local Disaster Councils</b>
<b>Jurisdiction:</b>	City of Winters
<b>Priority:</b>	Medium
<b>Issue/Background:</b>	<p>The emergency services ordinance establishes the local Disaster Council and designates the membership of the council. The council's powers include the development of emergency and mutual aid plans and agreements and the ordinances and resolutions to implement them, including the Hazard Mitigation Plan.</p> <p>The City of Winters would like to convene the formal inter-jurisdictional entity that meets regularly to coordinate emergency management and mitigation issues.</p>
<b>Responsible Office:</b>	Director of Emergency Services for the City of Winters
<b>Partners:</b>	City Departments and Agencies; Yolo County OES;
<b>Potential Funding:</b>	General Fund
<b>Cost Estimate:</b>	Minimal, staff time
<b>Benefits: (Losses Avoided)</b>	Increase knowledge of potential hazards and activities needed to mitigate the affects of those hazards; hazard mitigation plan approval and oversight
<b>Hazards Addressed:</b>	Drought, Earthquake, Flooding, Severe Weather, Wildfire

**Mitigation Action #3 WIN**

<b>Action:</b>	<b>Integrate Local Hazard Mitigation Plan into Safety Element of General Plan</b>
<b>Jurisdiction:</b>	City of Winters
<b>Priority:</b>	High
<b>Issue/Background:</b>	Local jurisdiction reimbursement for mitigation projects and cost recovery after a disaster is guided by Government Code Section 8685.9. Specifically, this section requires that the County must adopt a local hazard mitigation plan in accordance with the federal Disaster Mitigation Act of 2000 as part of the safety element of its general plan adopted pursuant to subdivision (g) of Section 65302. It is important for the City of Winters to incorporate the City's LHMP into the safety element as part of the next general plan update.
<b>Responsible Office:</b>	City Manger's Office
<b>Partners:</b>	Community Development, Public Works
<b>Potential Funding:</b>	General Fund
<b>Cost Estimate:</b>	Minimal, staff time \$2,000 - \$5,000
<b>Benefits: (Losses Avoided)</b>	AB 2140 Compliance; Provides General Plan policy direction for development activity with the county's unincorporated areas. Potential loss reductions in the \$1000's as any new development within the city will be considered within the context of the city's Safety Element.
<b>Hazards Addressed:</b>	Drought, Earthquake, Flood, Severe Weather, Wildfire

**Mitigation Action #4 YWIN**

<b>Action:</b>	<b>Community Warning System</b>
<b>Jurisdiction:</b>	City of Winters
<b>Priority:</b>	High
<b>Issue/Background:</b>	The County and City existing emergency notification system that is exclusively phone based is antiquated and inefficient. It is estimated that due to the proliferation of cell phones and other electronic devices, existing landline based systems reach less than 60% of the targeted households during a notification event. Secondly, updating the core databases and incorporating new technologies is expensive and cumbersome. The County seeks to purchase an updated system that allows families to modify their profile online and alert all the communications devices each household possess to maximize the ability to alert and warn the residents of the county wherever they might be during times of emergency. This countywide system can integrate alert and warning, EAS messaging and customized notifications of first responders, targeted neighborhood or demographic groups as needed.
<b>Responsible Office:</b>	City Manager's Office; County and City Public Safety Agencies; Yolo Emergency Communications Agency; Yolo County Office of Emergency Services
<b>Partners:</b>	City Departments and Agencies; Cities of Davis, West Sacramento, and Woodland; Yolo County Housing; Special Districts; Yocha Dehe Wintun Nation; County Departments and Agencies
<b>Potential Funding:</b>	Homeland Security Grant Programs; other funding as available
<b>Cost Estimate:</b>	Approximately \$300,000 for the complete Countywide system, \$30,000 annually to staff and maintain the system
<b>Benefits: (Losses Avoided)</b>	Timely alerting and warning to all segments of the county's population during a disaster or major event leads to appropriate and informed responses by the residents and populations. Simplifies sheltering, evacuation, resource efforts which will save time, resources and lives in an emergency.
<b>Hazards Addressed:</b>	Drought, Earthquake, Flood, Severe Weather, Wildfire

**Mitigation Action #5 WIN**

<b>Action:</b>	<b>Mass Care and Shelter Plan Development to include People with Disabilities, the Elderly and People with Access and Functional Needs</b>
<b>Jurisdiction:</b>	City of Winters
<b>Priority:</b>	High
<b>Issue/Background:</b>	The participating jurisdictions in this planning effort would like to develop some specialized planning for Mass Care and Shelter countywide. The focus would be to develop a plan for emergency response agencies to assist in providing Mass Care and Shelter services to members of the community. An additional component to this plan would be dedicated to addressing the affects of a Major Bay Area Earthquake and Yolo County's response to support that overall regional effort.
<b>Responsible Office:</b>	City Manager's Office; County Public Health; County Department of Employment and Social Services; Yolo County Office of Emergency Services
<b>Partners:</b>	City Departments and Agencies; Cities of Davis, West Sacramento, and Woodland; Yolo County Housing; Special Districts; Yocha Dehe Wintun Nation; American Red Cross, County and City Public Safety Agencies;
<b>Potential Funding:</b>	Homeland Security Grant Programs; Emergency Management Performance Grant Program; other funding as available
<b>Cost Estimate:</b>	Approximately \$75,000 for the complete Countywide planning effort
<b>Benefits: (Losses Avoided)</b>	Emergency planning for a Mass Care and Shelter Response will help reduce loss of life and injury during emergency events. Increased community awareness and planning will also be beneficial.
<b>Hazards Addressed:</b>	Drought, Earthquake, Flood, Severe Weather, Wildfire



**Mitigation Action #6 WIN**

<b>Action:</b>	<b>Develop Public Health and Mass Care Tiered Response System</b>
<b>Jurisdiction:</b>	City of Winters
<b>Priority:</b>	High
<b>Issue/Background:</b>	The participating jurisdictions in this planning effort would like to develop some specialized criteria for planning for Mass Care and Shelter responses countywide. The focus would be to memorialize a plan for mass prophylaxis during a health emergency. This should include sheltering in place and dealing with mass sheltering.
<b>Responsible Office:</b>	City Manager's Office; County Public Health; County Department of Employment and Social Services; Yolo County Office of Emergency Services
<b>Partners:</b>	City Departments and Agencies; Cities of Davis, West Sacramento, and Woodland; Yolo County Housing; Special Districts; Yocha Dehe Wintun Nation; American Red Cross, County and City Public Safety Agencies;
<b>Potential Funding:</b>	Homeland Security Grant Programs; Emergency Management Performance Grant Program; other funding as available
<b>Cost Estimate:</b>	Approximately \$25,000 for the complete Countywide planning effort
<b>Benefits: (Losses Avoided)</b>	Emergency planning for a Mass Care and Shelter Response will help reduce loss of life and injury during emergency events. Increased community awareness and planning will also be beneficial.
<b>Hazards Addressed:</b>	Drought, Earthquake, Flood, Severe Weather, Wildfire

**Mitigation Action #7 WIN**

<b>Action:</b>	<b>Drought Emergency Plan</b>
<b>Jurisdiction:</b>	City of Winters
<b>Priority:</b>	High
<b>Issue/Background:</b>	The participating jurisdictions in this planning effort would like to develop a drought emergency plan to include rationing criteria during drought conditions, develop agreements for secondary water sources, establish an irrigation scheduling program so that all agricultural land in Yolo County receives water needed and all water is not used at one particular time.
<b>Responsible Office:</b>	City Community Development and Public Works; Yolo County Planning and Public Works, Yolo County Office of Emergency Services, Yolo County Agricultural Commissioner, Yolo County, Yolo County Flood Control & Water Conservation District
<b>Partners:</b>	County Departments and Agencies; Cities of Davis, West Sacramento, and Woodland; Yolo County Housing; Special Districts; Yocha Dehe Wintun Nation
<b>Potential Funding:</b>	Hazard Mitigation Grant Programs; Homeland Security Grant Programs; Emergency Management Performance Grant Program; other funding as available
<b>Cost Estimate:</b>	Approximately \$75,000 for the complete Countywide planning effort
<b>Benefits: (Losses Avoided)</b>	Emergency planning for Drought will help reduce loss of water supply, provide criteria and set policy for use of water during drought conditions and increase community awareness and planning
<b>Hazards Addressed:</b>	Drought

**Mitigation Action #8 WIN**

<b>Action:</b>	<b>Non-Structural and Structural Earthquake Mitigation Outreach Program</b>
<b>Jurisdiction:</b>	City of Winters
<b>Priority:</b>	High
<b>Issue/Background:</b>	Existing structures can be retrofitted to better withstand damage from seismic events. By educating home and business owners about structural and non-structural retrofit techniques by teaching them how to seismically strengthen their homes and business locations can be an effective mitigation tool. Development of an outreach program to secure furnishings, storage cabinets and utilities to prevent injuries and damages, such as anchoring, installing lathes, using flexible connections on gas and water lines, and bracing propane tanks and water heaters.
<b>Responsible Office:</b>	City Community Development and Public Works; Yolo County Planning and Public Works, Yolo County Office of Emergency Services,
<b>Partners:</b>	City Departments and Agencies; Cities of Davis, West Sacramento, and Woodland; Yolo County Housing; Special Districts; Yocha Dehe Wintun Nation
<b>Potential Funding:</b>	Hazard Mitigation Grant Programs; other funding as available
<b>Cost Estimate:</b>	\$100,000
<b>Benefits: (Losses Avoided)</b>	Increase in population knowledge of structural and non-structural mitigation activities needed to mitigate the affects of those hazards
<b>Hazards Addressed:</b>	Earthquake

**Mitigation Action #9 WIN**

<b>Action:</b>	<b>Promote Flood Insurance</b>
<b>Jurisdiction:</b>	City of Winters
<b>Priority:</b>	High
<b>Issue/Background:</b>	This CRS activity credits communities that take an active role in encouraging residents and businesses to purchase and maintain adequate flood insurance coverage. It credits a four-step process that allows communities to assess their own needs and receive credit for improving their coverage.
<b>Responsible Office:</b>	City Community Development and Public Works; Yolo County Planning and Public Works, Yolo County Office of Emergency Services
<b>Partners:</b>	City Manager's Office-Public Information Officer
<b>Potential Funding:</b>	Hazard Mitigation Grant Program
<b>Cost Estimate:</b>	Minimal Staff time \$2000 - \$8,000
<b>Benefits: (Losses Avoided)</b>	Property Protection during a flood event
<b>Hazards Addressed:</b>	Flooding

**Mitigation Action #10 YOA**

<b>Action:</b>	<b>Winter Weather Preparedness Campaign</b>
<b>Jurisdiction:</b>	City of Winters
<b>Priority:</b>	High
<b>Issue/Background:</b>	Severe Winter Weather and Flooding is a priority hazard in the City of Winters. A public awareness and disaster preparedness specifically geared to Winter Weather Preparedness with an emphasis on flooding and severe weather has not been done in many years. This is a program that will target all residents in Yolo County in the fall months.
<b>Responsible Office:</b>	City Manager's Office-Public Information Officer
<b>Partners:</b>	Other City Departments and Agencies; Yolo County Office of Emergency Services
<b>Potential Funding:</b>	Hazard Mitigation Grant Program; Homeland Security Grant Program; other funding as available
<b>Cost Estimate:</b>	\$100,000
<b>Benefits: (Losses Avoided)</b>	Increase in population knowledge of severe weather and flood hazards and activities needed to mitigate the affects of those hazards
<b>Hazards Addressed:</b>	Severe Weather; Flooding

**Mitigation Action #11 WIN**

<b>Action:</b>	<b>Reducing Wildfire Risk Maintenance Program</b>
<b>Jurisdiction:</b>	City of Winters
<b>Priority:</b>	High
<b>Issue/Background:</b>	Fire fuel reduction mitigation measures in the local responsibility areas within the City of Winters is critical to gain and maintain defensible space and control the fire fuels on and near both public and private lands. Actions of the program will consist of debris clearance, recycling wood materials through chipping to be used for weed abatement; fire hydrant testing, arson prevention and cleanup of abandoned structures, power line tree trimming and maintenance and safe access for fire apparatus to wildland/urban interface (WUI) area neighborhoods and properties
<b>Responsible Office:</b>	City of Winters Fire; City Manager's Office
<b>Partners:</b>	Office of Emergency Services, other City Departments and Agencies
<b>Potential Funding:</b>	FEMA grant funding as available
<b>Cost Estimate:</b>	Approximately \$100,000 – \$150,000
<b>Benefits: (Losses Avoided)</b>	Potential loss of numerous homes and structures from the uncontrolled spread of wildfire
<b>Hazards Addressed:</b>	Wildfire