

COMMUNITY SERVICES AND FACILITIES

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Comment [emh1]: Table of Contents will be revised and updated before the Final Draft is published.

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HEADER

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VISION STATEMENT

Pinole will provide ~~well-planned~~ services ~~that are responsive to community needs and~~ to ensure that the citizens of Pinole have access to their city government officials and services, as well as other local and regional services that affect the community ~~recreational opportunities, emergency services, and education.~~

Pinole will maintain and improve facilities and infrastructure, as funding is available, to continue providing a high level of service to all areas of the community and ~~to adapt~~

INTRODUCTION

While Pinole is fortunate to have ~~comparatively new,~~ well-maintained ~~e~~City facilities that ~~adequately~~ support community services, ~~existing infrastructure is of an age that requires investment in maintenance and modernization to extend the life of the facilities and to respond to community needs.~~ ~~Even with such community assets,~~ ~~f~~Financial constraints, aging infrastructure, and expanding regulatory obligations have combined to make the continued provision of ~~urban-City~~ services one of the primary challenges facing Pinole.

The services ~~and facilities~~ that are considered in this element include ~~City services that are those~~ housed in ~~e~~City Hall; ~~fire and police facilities~~ the Public Safety Building; parks and recreational facilities (including the Senior and Youth Centers); and the Pinole/Hercules Water Pollution Control Plant. This Element also discusses services and facilities provided by other agencies, including schools, library; ~~health care,~~ domestic water supply, solid waste disposal, energy and communication. The facilities that are

discussed in this element include the infrastructure, equipment, and buildings that support these public and quasi-public services.

The Community Services and Facilities Element discussed in this element include the infrastructure, equipment, and buildings that support the governmental functions provided by the City of

For each ~~of these facilities~~ community service area, the General Plan sets forth the goals, policies, and implementing actions that will be required ~~to to ensure maintain~~ adequate facilities ~~that will to~~ accommodate ~~both both current needs and anticipated demand from new growth and the existing community.~~ Some of the services and facilities discussed in this element are managed by organizations and agencies (e.g. schools, libraries, etc.) that are not controlled by the City of Pinole. Never-the-less, the General Plan expresses the City's objectives for the operation, maintenance and expansion of both City and non-City facilities and services.

The General Plan land use designations create the potential for additional development in Pinole. The Community Services and Facilities Element establishes the framework to ensure that necessary capital improvements and operational changes are made to provide adequate services to future potential development. Of the services and facilities discussed in this element, sewage disposal and the provision of emergency services are the two that will require the greatest facilities improvements and operational changes to respond to existing service demand and accommodate future growth.

PURPOSE

The Community Services and Facilities Element is an optional Element under State law, but is included in Pinole's General Plan to address important issues related to how new development under this General Plan will affect the City's ability to provide adequate community services and

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facilities. This Element concerns the public infrastructure and facilities that [support community functions and](#) allow for the growth of the community. Operational and programmatic issues are considered, but this chapter is primarily concerned with the provision of capital facilities. It also expresses a vision for the future where “sustainable development”¹ and land use practices provide for the needs of existing residents and businesses while preserving choices for future generations.

The primary tools for implementing the Community Services and Facilities Element are infrastructure and facilities master plans (i.e., water, wastewater, storm drainage, parks), and the 5-year Capital Improvement Program (CIP). ~~The City of Pinole will prepare infrastructure and facilities master plans upon completion of the General Plan Update. The master plans will comprehensively identify the City's infrastructure and facilities needs through buildout of the General Plan through 2030.~~

~~These components are included in~~ Specifically, this Element ~~addresses, which covers~~ the following [service and facility](#) topics:

- Civic-/Community [Services and Facilities](#)
- Police
- Fire
- Parks, Trails, [eOpen sSpace](#), and Recreational [Facilities](#)
- [Community Health-Related Facilities](#)
- Educational [Facilities](#)
- Water [Service](#)
- Wastewater
- Storm water
- Solid Waste and Recycling
- [Roads](#)
- Energy and Communication [Systems](#)


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Please see the Background Report for important background information about each of the above topics.

This General Plan aims to build partnerships between the City and other public agencies that provide services to the City of Pinole.

RELATIONSHIP TO OTHER GENERAL PLAN ELEMENTS

Chapter 3: The Community Character Element contains goals and policies to maximize preservation of Pinole’s historic resources, including Pinole’s public buildings, and integration and interaction with Pinole’s education facilities, services, and programs.

¹ Sustainable development practices refer to the use of architectural and planning methods that address the needs of the present without compromising the ability of future generations to meet their own needs. Specific examples include the use of solar panels for energy conservation, placing jobs near housing to reduce vehicle trips, and infill development in urban areas to reduce the consumption of agricultural land. Policies related to sustainability are identified with a  symbol.

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- Chapter 4: The Growth Management Element plans the future growth of Pinole, which will have impacts on Pinole's ability to provide Community Services and Facilities.
- Chapter 7: Bicycle and pedestrian facilities are discussed in the Circulation Element.
- Chapter 9: The Health and Safety Element further examines Pinole's emergency response capabilities.
- Chapter 10: Open space trails are discussed in the Natural Resource and Open Space Element.
- Chapter 11: The Sustainability Element discusses ways for Pinole's City operations to become more sustainable and for Pinole to incorporate more green building practices, including ways affecting Community Services and Facilities.

ISSUES AND CONSIDERATIONS

As discussed in greater detail in this Element, there are a number of improvements that will be needed to maintain quality service into the future. The following identifies some of the more important service and facility issues to be addressed in Pinole:

1. Expand and upgrade the Pinole/Hercules Water Pollution Control Plant to avoid wet weather discharge into San Pablo Bay through the shallow water outlet;
2. Implement operational changes and provide building and equipment upgrades—capital improvements to ensure “sustainable” fire protection services into the future;
3. Complete the Bay Trail connection through Pinole;
4. Implement the Pinole Creek Vision and Master Plans;
5. Expand park area to provide adequate facilities for Pinole residents;
6. Develop a plan to satisfy Corporation Yard needs for the future; ~~and~~
7. Maintain County library services and facilities within the City;
8. Reinvest in existing infrastructure to maintain, and extend, its useful life; and
9. Continually upgrade communication systems, and support an emergency notification system to communicate with the community during hazardous events.

CIVIC AND COMMUNITY FACILITIES

~~In general, Civic and Community facilities in Pinole are comparatively new, are appropriately sized and designed to function adequately for their intended use, and have benefited from active maintenance.~~ Civic and Community facilities include public buildings that house the various functions and services provided by the City of Pinole: City Hall; public safety (police and fire) stations; the Library; recreational structures, such as pools, recreation centers and theatres; health-related facilities; corporation or maintenance facilities; and large capital equipment items

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with long-term usage, such as fire engines and street maintenance vehicles. In general, Civic and Community facilities in Pinole are appropriately sized and designed to support their intended use, and have benefited from active maintenance. Existing facilities, however, are approaching an age where they are depreciating more quickly than capital is being invested to maintain them. Maintaining older infrastructure and extending its useful life (e.g. sewer, roadway, and storm drain systems) is critical to Pinole's future.

Future Civic and Community Facility Needs

The members of the community, and the departments that provide services in Pinole, have identified the following service goals and objectives that may require modifications to existing facilities.

- Pinole would like to work should to make their public buildings and facilities more sustainable by adding. Currently, the public works department is moving forward with plans to add solar panels to city facilities.
- The City should also study whether make community services are accessible to all areas of the community by . If there are areas that are underserved, the City should implement a plan to provide transportation connections between the areas and services, or plan future by bringing community services and facilities to be located nearer to the underserved areas of the community.
- At some point in the future, Pinole may should need to upgrade security on all public buildings to current security standards.
- The City should, maintain an acceptable functional Emergency Operations Center (EOC) in a state of readiness. This may require creation of a dedicated EOC that is not shared by other users, and examine parking at City Hall.
- The City should dedicate land for Currently, a Corporation Yard, located at the Pinole/Hercules Water Pollution Control Plant is used to store various City vehicles and equipment. The site is not large and if, at some point in the future, the Water Pollution Control Plant expands, the corporation yard will need to be relocated. The City needs to have a corporation yard that provides adequate space for necessary current and future storage and operational needs, and should undertake a planning exercise to identify facility and operational needs and potential sites that meet City needs into the future.

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Pinole's Public Safety Building at 880
Tennent Avenue

POLICE

Police Facilities and Programs/Services

The Pinole Police Department shares the Public Safety Building with the Pinole Fire Department. From this base of operations, the Pinole Police Department patrols all areas within the city limits of Pinole, responds to and investigates crime, responds to all calls on school property and assists with Animal Control problems. Pinole Police also regularly provides emergency "first in" response to East Bay

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Regional Parks areas, ~~and are also responsible for responding to criminal activity on Interstate 80, and CHP areas in the City.~~

The West Bay Communications Center (Pinole dispatch) currently dispatches police services for the cities of Pinole and Hercules. ~~At times, P~~police officers are ~~frequently~~ dispatched to areas outside their jurisdiction to assist other agencies. ~~The police department has been in negotiations with several surrounding agencies to provide dispatching services to those agencies.~~

Future Police Facility Needs

The Pinole Police Department expects to continue providing police services to the geographic area they presently serve, but may, due to fiscal constraints, have to reduce service levels and eliminate programs. There are also several police facilities ~~and programs~~ that require an update, including the ~~following~~:

- ~~Expansion of, and improved access to the S~~secured patrol parking area at ~~City Hall~~the Public Safety Building;
- ~~Expansion of the~~ Property/Evidence room ~~and enhanced facilities to ensure safe storage of material~~;
- ~~Upgrades and/or changes to the C~~computer aided dispatch and records management system; and
- ~~Equipment upgrades to participate in the East Bay Regional Communication System (EBRCS), a JPA established to improve inter-agency emergency communication. Pinole is presently an active member of EBRCS. Regional radio system for Alameda and Contra Costa Counties.~~

FIRE

Fire Facilities and Programs

The City of Pinole Fire Department maintains Station 73, the primary station located in the Public Safety Building adjacent to City Hall in Old Town, and Station 74, located on Pinole Valley Road. Fire and medical dispatch is handled by the Contra Costa County Regional Fire Communications Center in Pleasant Hill. The Emergency Operations Center (EOC) is ~~a shared community meeting room~~ located off the lobby of the Public Safety Building and is used to coordinate and manage large-scale emergency response efforts.

The City of Pinole Fire Department provides full fire and rescue services, fire suppression, medical advanced life support, rescue and hazardous materials response. The Fire Department promotes disaster preparedness, fire prevention, and safety in the City by providing free services and safety devices, public outreach (schools, businesses) and public education and/or training courses (safety demonstrations including child car seat safety and earthquake preparedness), maintenance (station upgrades, etc.), and bi-annual commercial inspections.

Pinole shares responsibility for Fire and Emergency Medical services with Contra Costa County Consolidated Fire Protection District (Con Fire) and Rodeo/Hercules as part of a regional group called Battalion 7. In response to a 9-1-1 call, the Battalion 7 fire engine closest to the

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emergency is dispatched, regardless of jurisdictional boundaries. This program has reduced response times and assures that adequate numbers of engines automatically respond to each emergency without additional requests for aid.

Figure 8.1 shows the Pinole Fire Department Boundary and Service Area as recently determined by Contra Costa County Local Agency Formation Commission.

Please see the Background Report for more details on specific ~~Fire Department~~Public Safety facilities, and please see the Health and Safety Element (Chapter 9) for more information on Pinole's response to emergency situations.

Future Fire Facility Needs

The Contra Costa County Local Agency Formation Commission (LAFCO) produced a Municipal Service Review (MSR) which, when examined in conjunction with Pinole's City Budget, found that the current level of service from the fire department is unsustainable. This has prompted the City to consider various service options to improve staffing efficiencies, and to address funding challenges associated with maintaining two fire stations. ~~Options include~~To maintain exceptional fire services, the City will need to establish a multi-faceted approach to fire protection that includes the following:

1. Operational planning that critically examines existing and anticipated needs and resources within the region and that takes advantage of opportunities that may result from consolidation of services, overlapping service areas, and shared emergency service responsibility in and around Pinole. Operational changes could include:
 - Maintaining the Pinole Fire Department as an independent department;
 - Consolidating the Pinole Fire Department with the Rodeo/Hercules Fire Protection District, with Con Fire, or with both together;
 - Entering into an agreement to share a fire station with other service providers; and/or;
 - Establishing alternative staffing models.
2. Fire Facilities planning to optimize fire protection in Pinole by ensuring personnel and apparatus are strategically located to maximize coverage. Facility planning could include:
 - Consolidating fire services within one station; and/or
 - Construction of new facilities in a location that more efficiently serve all neighborhoods in Pinole.
3. Improved Open Space management to reduce wild fire risks and match maintenance expectations and obligations. Open space management options could include:
 - Changing ownership arrangements so that open space would be managed by a Land Trust, other public organizations, or private entities; and/or

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- Improved, all weather access through, open space to improve access to and from Hercules and El Sobrante to shorten response times and improve mutual aid.

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Figure 8.1 Pinole Fire Department Boundary and Service Area

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Figure 8.1, page 2

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PARKS, TRAILS AND RECREATIONAL FACILITIES

Recreation Facilities and Programs

Pinole has a very active and successful Recreation Department. The Pinole Recreation Department's primary service area is the City of Pinole, but all programs accept non-residents. Non-resident participants come from all areas surrounding Pinole.

Pinole's Recreation facilities include:

- Pinole Youth Center,
- Tiny Tots,
- Pinole Senior Center,
- Pinole Tennis Courts,
- Pinole Swim Center,
- School of Performing Arts,
- Pinole Playhouse (Memorial Hall), a 100-person theater,
- Pinole Sports & Fitness Center (Operated in collaboration with West Contra Costa Unified School District),
- The Farmers Market,
- Community Events such as Summer Sounds in the Park, Outdoor Cinema, and the Holiday Tree Lighting Festival.

The Recreation Department also provides facilities for Pinole's parks such as play equipment, ball fields, picnic areas, and basketball courts.

Please see the Background Report for more details on specific Recreation Department facilities.

Parks Facilities and Programs

The City has approximately 42 acres of land that are occupied by fourteen parks, including one regional park, four community parks, and five neighborhood parks. The City also has four unimproved open space public areas that total approximately 235 acres. Please see the Background Report for more information on Pinole's parks.

Trails Facilities and Programs

The City of Pinole maintains local pedestrian and hiking trails for recreational use by residents and visitors. The San Francisco Bay Trail runs along the northern edge of the City adjacent to San Pablo Bay and is maintained by the East Bay Regional Parks District. The Pinole Creek Trail provides access to San Pablo Bay and the Bay Trail from properties abutting Interstate-80 to the South.

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Please see the Natural Resource and Open Space Element (Chapter 10) for more information on Pinole's open space trails.

Future Parks, Trails and Recreation Facility Needs

The Pinole Recreation Department expects to expand in the future as school enrollment increases. They will likely be adding additional fitness and sports activities plus on-site after school programs at almost all Pinole schools. In order to accommodate some of these expanded services, additional facilities will need to be added to some schools. Because almost 75% of the Department budget is recovered from fees paid for services and by fundraising activities, budget constraints will not limit the Recreation Department services as much as other City departments. Since 2001, the Recreation Department has continued to grow and expand in response to a strong community desire for active and safe recreation programs.

Park facilities will need to expand in the future. Pinole currently has approximately 1.8 acres of parks for every 1,000 residents while the National Recreation and Parks Association recommends having 2.5 acres of parks per 1,000 residents [and the California Quimby Act recommends 3-5 acres per 1,000 residents](#). Areas of the City are underserved and do not have a park within walking or bicycling distance.

A number of trail improvements should be implemented during the life of the General Plan, including the following:

- The trail along Pinole Creek should be connected to East Bay Municipal Utility District (EBMUD) watershed lands by a continuous trail from the City's bay shore to the City's ridges. One route could begin at Pinole Valley High School, extend to Duncan Canyon, cross Rancho Road, and run alongside either Galbreth Road or Pinole Valley Road to connect with Adobe Road in Pinole Valley Park.
- Completing the Bay Trail along the San Pablo Bay shoreline in Pinole remains a priority project.
- Implementation of the Pinole Creek Vision Plan and the Pinole Creek Master plan would result in enhanced recreation trails and access to environmental resources within Pinole.
- Goals, policies, and actions also include provisions for the development of new hiking trails and the creation of new protected public open space for passive recreation.

HEALTH-RELATED FACILITIES

Hospital Facilities and Programs

[The John Muir Medical Center, Walnut Creek campus, is the only trauma Center for Contra Costa County and parts of Solano County. Oakland Children's Hospital provides trauma services for children, and Doctors Medical Center in San Pablo provides the nearest emergency room services. Contra Costa Regional Medical Center in Martinez \(a county-owned hospital\), Los Medanos Community Hospital in Pittsburg, John Muir Medical Center campuses in Walnut Creek and Concord, and the Doctors Medical Center in San Pablo are the primary medical service providers for Contra Costa County. There are also several hospitals, County health centers, and public health clinics located in and around the rest of the County. Those located in](#)

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close enough proximity to Pinole to provide many primary health care services include the Richmond Health Center, the North Richmond Center for Health, the Martinez Family Practice Center, and the Martinez Specialty Center.

The John Muir Medical Center, Concord Campus is the trauma Center for Contra Costa County. Additional emergency medical services are provided at Oakland Children's Hospital which provides trauma services for children, and Doctors Medical Center which provides the nearest emergency room services to Pinole. Contra Costa Regional Medical Center in Martinez, Los Medanos Community Hospital in Pittsburg, Muir/Mt. Diablo Hospital Foundation in Concord, and the Doctors Medical Center San Pablo campus are the primary medical service providers for Contra Costa County. Contra Costa Regional Medical Center is the largest acute care hospital in the County with services such as a critical care unit, 24 hour emergency services, and ancillary services. There are also several County health centers and public health clinics located in proximity to Pinole that provide many primary health care services. They include the Richmond Health Center, the North Richmond Center for Health, the Martinez Family Practice Center, and the Martinez Specialty Center.

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Medical Support Facilities and Programs

Pinole's Fire Department provides emergency medical response service to the City, and has an automatic aid agreement with Con Fire and the Rodeo-Hercules Fire District. Other medical support options include Kaiser medical offices in Pinole (no emergency room care), Kaiser Offices in Richmond, and the County facility in Martinez. Some trauma victims are transported to John Muir Medical Center in Walnut Creek by air or ground. All air transport of trauma patients are routed to the John Muir Medical Center. Ground transported trauma cases are routed either to the John Muir Medical Center for acute trauma, or to Doctors Hospital for other emergency medical attention.

The Doctors Hospital campus in Pinole has closed and it is not yet known what is to become of the existing building.

Senior Services Facilities and Programs

Pinole has several facilities and programs for local seniors. The Senior Village of Pinole offers opportunities for independent and assisted living for adults. The Pinole Senior Center is a very popular program and facility, as described above (and in the Background Report), and provides social, educational, recreational, health, nutritional, and consumer services and activities. Bay Park is a retirement residence and a facility for seniors.

Future Health-Related Facility Needs

Pinole will continue to encourage the location and growth of health-related facilities within the city. Pinole will also take advantage of opportunities to reuse the existing Doctors Hospital site for medical purposes when considering redevelopment options for this site.



Ellerhorst Elementary School in Pinole.

EDUCATIONAL FACILITIES

School Facilities and Programs

Public elementary, middle-school and high schools in Pinole are governed by the West Contra Costa Unified School District

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(WCCUSD). The WCCUSD has adequate capacity, particularly in Pinole. Pinole also has private schools and preschools throughout the city.

Future Educational Facility Needs

Current enrollment and projected population growth shows that the school district currently has the capacity to handle any future student population in Pinole. Due to declining enrollment and budget constraints, the WCCUSD is closing school sites within the District. While Pinole schools will remain open for the foreseeable future, the City should develop contingency plans for reuse of school sites should closure take place. The City will continue to collaborate with the West Contra Costa County Unified School District in planning for quality school sites and facilities for Pinole's K-12 youth.

The City will also continue to advocate for safe transportation and circulation at school sites (also see [the Circulation Element](#), Chapter 7). -Currently, there are safety concerns with travel to and from school sites, particularly the [junior high school and](#) high school. Traffic on heavily traveled roads and a lack of clearly marked crosswalks and bicycle lanes create conditions that may ~~be hazardous to people~~ [inhibit safe pedestrian and bicycle travel](#) going to and from the schools.

Library Facilities and ~~Programs~~Programs

There is one library within the City of Pinole. The Pinole Library is a branch of, and is operated by, the Contra Costa County Library system. Located on Pinole Valley Road, the Library was renovated in 2002.

Future Library Facilities Needs

Though the Library is operated by the County, the City has contributed funds for capital improvement projects and maintenance in order to defray County costs of operating the Library. The City can not maintain this practice indefinitely, and the County continues to struggle to maintain existing levels of service. The Library has expressed an interest in leasing library space in another location as a way to avoid the maintenance costs associated with ownership. There are potential buildings in downtown Pinole which could possibly house the library. Relocating the library to Old Town has the potential to, eliminate a property vacancy, bring increased activity to Old Town, and centralize several important community facilities in the key downtown area.

WATER SERVICE

Water Supply Facilities and Programs

The City of Pinole obtains its water supply from the East Bay Municipal Utility District (EBMUD), which serves western and central Contra Costa County (see the Background Report). Please see Figure 8.2 for an illustration of the EBMUD water supply system.

Water Treatment and Distribution Facilities and Programs

The City of Pinole's water is treated at the EBMUD Sobrante treatment plant. Water is filtered, disinfected, and subject to fluoridation and corrosion control.

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EBMUD's Laboratory Services Division is a full-service environmental laboratory, which performs water quality analysis throughout each day to ensure the safety of drinking water.

The District's Capital Improvement Program for the water system primarily involves maintaining infrastructure, constructing water supply improvements and regulatory compliance strategies. This is expected to provide adequate capacity for future growth in Pinole.



The Pinole/Hercules Water Pollution Control Plant in Pinole.

WASTEWATER SERVICE

Wastewater Facilities and Programs

The City of Pinole Public Works Department and West County Wastewater District (WCWD) maintain the City's sewer system. The City's sewer collection system is shown in **Figure 8.3**. The City of Pinole is responsible for the collection and treatment of wastewater flows to their lift stations and treatment plant, the Pinole/Hercules Water Pollution Control Plant (WPCP). The Pinole/Hercules WPCP is owned and operated by a Joint Powers Authority comprised of the Cities of Pinole and Hercules. The facility treats wastewater from both cities to secondary standards prior to discharge to San Pablo Bay. There are two operational discharge outfalls (Deepwater and Shallow Water). The Deepwater outfall is shared with the Rodeo Sanitary district and is permitted by the Regional Water Quality Control Board (RWQCB). The Shallow Water outfall is not permitted but has been used during wet weather conditions when influent flows exceed the capacity of the Deep Water outfall.

Currently, the Pinole/Hercules WPCP is permitted (as the plant was updated in the 1980's) to treat 4.06 million gallons per day (mgd) average dry weather flow and 10.3 mgd peak wet weather flow, but has experienced wet weather flows of almost 20 mgd which exceeds permitted capacity (see **Table 8.1a, b and c**). During the WPCP upgrade in the 1980's, the assumed Total Solids Loading was 165 parts per million (ppm). Under peak wet weather conditions, it has sometimes been necessary to blend flows and discharge through the unpermitted shallow water outfall. The RWQCB has ordered WPCP upgrades to correct this condition. This condition means that the Pinole/Hercules WPCP sometimes has trouble serving existing development in Pinole and Hercules and would certainly have trouble supporting new development. Should this situation not be addressed, there is likely to be an imposed limit on future growth in the community.

WCWD is responsible for collection and treatment of flows tributary to their lift stations and treatment plant. Approximately 0.4 square miles in Pinole lies within the WCWD (see **Figure 8.4**).

Table 8.1a
Actual Flow Data

	<u>Currently</u>	<u>As Designed</u>
<u>Dry Weather Flow</u>	3.0 mgd	4.06 mgd

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<u>Wet Weather Flow</u>	<u>20+ mgd</u>	<u>10.3 mgd</u>
<u>Total Solids Loading</u>	<u>325</u>	<u>165 ppm</u>

Source: JPA staff report, January 28, 2009

Table 8.1b
Dry Weather Flow

<u>Dry Weather Flow</u>	<u>Hercules</u>	<u>Pinole</u>	<u>Combined</u>
<u>Current flows at WPCP</u>	<u>1.60 mgd</u>	<u>1.40 mgd</u>	<u>3.00 mgd</u>
<u>Anticipated growth through the year 2030</u>	<u>0.63 mgd</u>	<u>0.30 mgd</u>	<u>0.93 mgd</u>
<u>Total</u>	<u>2.23 mgd</u>	<u>1.70 mgd</u>	<u>3.93 mgd</u>

Source: JPA staff report, January 28, 2009

Since the greatest anticipated 2030 flow amount is anticipated to be 3.93 mgd, which is below the existing capacity of 4.06 mgd, the average dry weather capacity of the WPCP will not need to be expanded at this time.

Table 8.1c
Solids Loading

	<u>Concentration in Parts per Million</u>
<u>Design (as improved in WPCP upgrades made in 1980's)</u>	<u>167 ppm</u>
<u>Combined</u>	<u>325 ppm</u>
<u>Pinole</u>	<u>400 ppm</u>
<u>Hercules</u>	<u>240 ppm</u>

Source: JPA staff report, January 28, 2009

Table 8.1c shows that the plant improvements that were made in the 1980's significantly underestimated solids loading. This imbalance in processing solids has reduced the actual capacity of the WPCP from 4.06 mgd to 3.2 mgd. Improving the WPCP's ability to process solids, such as by the use of clarifiers and aeration basins, will improve the capacity of the plant, responsible for the collection and treatment of flows to their lift stations and treatment plant, the Pinole/Hercules Water Pollution Control Plant (WPCP). The Pinole/Hercules WPCP is owned and operated by a Joint Powers Authority comprised of the Cities of Pinole and Hercules. The facility treats wastewater from both cities to secondary standards prior to discharge to San Pablo Bay. There are two operational discharge outfalls (Deepwater and Shallow Water). The Deepwater outfall is shared with the Rodeo Sanitary district and is permitted by the Regional

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~~Water Quality Control Board (RWQCB). The Shallow Water outfall is not permitted and has been used in the past during wet weather conditions when influent flows exceed processing capacity at the deep water outfall.~~

~~Currently, the Pinole/Hercules WPCP is permitted to treat 4.06 million gallons per day (mgd), but peak wet weather flows of almost 20 mgd exceed permitted capacity. Under peak wet weather conditions, it has sometimes been necessary to blend flows and discharge through the shallow water outfall. The RWQCB has declared this to be in noncompliance of the National Pollutant Discharge and Elimination System (NDPES) permit requirements, and has ordered WPCP upgrades to correct this condition.~~

~~WCWD is responsible for collection and treatment of flows tributary to their lift stations and treatment plant. Approximately 0.4 square miles in Pinole lies within the WCWD (see Figure 8.4).~~

ROADS

Road Facilities and Operations

~~The City of Pinole owns .6 arterial streets, 19 collector streets, and a large number of local streets. As the owner, Pinole is responsible for the design, construction, repair and maintenance of roads to ensure safe and efficient use of public streets. To fulfill this obligation, the Public Works Department administers surfacing and maintenance programs, including street sweeping, and coordinates with utility companies, neighboring cities, transit service providers, and Caltrans to ensure circulation issues are properly coordinated.~~

Future Roadway Facilities and Operational Needs

~~Growth in the region and in surrounding communities will continue to place a burden on the City's road network. This will likely result in the need for roadway expansion to maintain levels of service, and increased demand for road maintenance.~~

ENERGY AND COMMUNICATION

Energy and Communication Facilities and Programs

~~The City of Pinole operates a non-commercial community access cable television station, and maintains a City Website to facilitate the exchange of community information. The City also maintains a fiberoptic network of facilities as a deterrent to crime and to assist with police investigations.~~

~~The City of Pinole does not presently own or operate energy production facilities, but is beginning to install solar power generators to reduce demand for gas and electric power.~~

Future Energy and Communication Facilities and Program Needs

~~The City of Pinole plans to take advantage of technological advancements to maintain open, transparent, efficient communication. While technology advances at a pace that makes it difficult to identify the City's facility and programming needs into the future, Pinole will increase storage capacity and operating efficiency and take advantage of visual technological enhancements in order to convey information of community interest, improve civic services and business transactions, and defray City costs.~~

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Figure 8.2 City Of Pinole - EBMUD Water Supply System

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Figure 8.3 City of Pinole - Sewer Collection System

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Figure 8.3, page 2

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Figure 8.4 West County Wastewater Service Area

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Figure 8.4, page 2

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Figure 8.5 City Of Pinole - Diagram of the Pinole / Hercules Water Pollution Control Plant

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Future Wastewater Service Facility Needs

The WCWD has adequate capacity to continue providing services to the portion of Pinole within their [small portion of Pinole's](#) service area.

The WPCP needs to be upgraded to accommodate wet weather flows, [improve solids processing](#), and to ensure there is adequate capacity for future growth in Pinole and Hercules. In addition to capacity issues at the plant, there are other issues related to the collection system and treatment process that the City should encourage the Joint Powers Authority (JPA) to address.

- The City's sewer system has a significant amount of inflow and infiltration that may be reduced by lining older, leaking pipes [and eliminating sources of inflow](#).
- ~~The City will work with the JPA to discontinue or minimize use of hypochlorite to treat wastewater. Although this chlorine-based chemical is highly efficient at disinfecting waste water, it is also highly toxic both to humans and to the sea life of San Pablo Bay.~~
- Future sea level rise [due to climate change](#) could impact the Bay shoreline, and particularly the area in and around the Pinole/Hercules WPCP. Preliminary estimates from the San Francisco Bay Conservation and Development Commission (BCDC) estimate that the sea level could increase by as much as 55 inches in elevation by 2100. Though this is an evolving issue and the actual change in sea level and the areas that will be impacted are uncertain, the potential for an increase should be taken into consideration when designing improvements at the WPCP.
- Pinole will work collaboratively with the City of Hercules to evaluate, select, design and implement improvements to the WPCP. Improvements may include some of the following:
 - Upgrade from secondary to tertiary treatment and install a new, permitted outfall in Pinole Creek for discharge of tertiary-treated effluent. Abandon the two existing outfalls.
 - Install a new, larger capacity pipeline and outfall at the Rodeo Sanitary District.
 - Upgrade the existing Deepwater Outfall and include the addition of a smaller tertiary facility to handle increased wet weather flows.
 - Decommission and dismantle the existing Pinole/Hercules WPCP and divert all existing flows to the WCWD facilities.
 - Divert all flows from the City of Hercules to the WCWD facilities while the City of Pinole flows would continue to be treated at the Pinole/Hercules WPCP, which would then need only minor facility upgrades (such as to the Deepwater Outfall pipeline).
 - Install a primary effluent flow equalization tank near the Pinole/Hercules WPCP and make other minor improvements to the Pinole/Hercules WPCP such as a larger pipeline to the Deepwater Outfall. The improvements need to increase the capacity of the Pinole/Hercules WPCP and allow for flows over that capacity to receive primary treatment before delivery to the flow equalization facility.

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- Upgrade infrastructure at the WPCP to support continued operations, including installation of a fire hydrant.

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The JPA has narrowed down upgrade options for the WPCP to three choices:

- 1) Secondary treatment of flows at the WPCP and constructing a new land outfall line to the Deep Water outfall in Rodeo.
- 2) Secondary treatment at the WPCP, constructing an underground tank to be used during wet weather events, and constructing a new land outfall line to the Deep Water outfall in Rodeo, or
- 3) Diverting all flows from Hercules to the WCWD facilities while only the City of Pinole's flows would be treated at the WPCP.

The first option, improving the outfall line, was submitted to the RWQCB as the chosen WPCP improvement plan on June 1, 2009.

STORM DRAINAGE AND FLOODING

Flooding in Pinole generally occurs as the result of either:

- Storm runoff originating within the Pinole Creek Watershed and flooding lowlands because drainage channels and pipes are poorly maintained or inadequately sized to transport surface water to San Pablo Bay , or
- The lower reach of Pinole Creek is filled with water from both storm runoff and a high tide. Under these conditions, storm runoff may exceed channel capacity and overtop the creek banks. The elevation of the water surface in the Bay varies depending on the tide and wind and wave effects.

For more information regarding flooding hazards in the City, please see Chapter 9, Health and Safety. **Figure 8.6** illustrates the City of Pinole's storm drain collection system.

Future Storm Drain and Watershed Facility Needs

Damaged, poorly maintained or inadequately sized storm drains in the City result in localized flooding during the rainy season will need to be repaired or replaced.

The Pinole Creek flood protection improvements were not designed to accommodate a 100-year storm event. This condition could be exacerbated by changes in sea level. Because there are limited opportunities to improve flood protection at the outfall, the City is working with the Contra Costa Flood Control District and the East Bay Municipal Utility District to identify opportunities to create an upstream detention basin in order to meter peak wet weather flows and reduce the potential for downstream flooding. The Pinole Creek Watershed Vision Plan and Pinole Creek Master Plan include a restoration of the lower flood control channel to improve creek habitat while providing flood protection and recreation enhancements.

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The City should develop a management plan and/or implementation strategy to implement the Contra Costa Clean Water Program and the National Pollutant Discharge Elimination System (NPDES) permit.

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Figure 8.6 City Of Pinole - Storm Drain Collection System

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Figure 8.6, page 2

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ROADS

Road Facilities and Operations

The City of Pinole owns 6 arterial streets, 19 collector streets, and a large number of local streets. As the owner, Pinole is responsible for the design, construction, repair and maintenance of roads to ensure safe and efficient use of public streets. To fulfill this obligation, the Public Works Department administers surfacing and maintenance programs, including street sweeping, and coordinates with utility companies, neighboring cities, transit service providers, and Caltrans to ensure circulation issues are properly coordinated.

Future Roadway Facilities and Operational Needs

Growth in the region and in surrounding communities will continue to place a burden on the City's road network. This will likely result in the need for roadway expansion to maintain levels of service, and increased demand for road maintenance.

SOLID WASTE AND RECYCLING

Solid Waste Collection and Disposal Facilities and Programs

Richmond Sanitary Services (RSS) provides weekly solid waste collection and disposal services to residents and businesses in Pinole.

The West Contra Costa Integrated Waste Management Authority (WCCIWMA) is a joint powers agency made up of the Cities of El Cerrito, Hercules, Pinole, Richmond, San Pablo and Contra Costa County and oversees the solid waste services for these cities and areas.

Solid waste from Pinole is transported to the Portero Hills Landfill in Suisun City in Solano County (25 miles away) for disposal. The WCCIWMA has a contract with Portero Hills Landfill through 2014, at which point the contract will be renegotiated. The estimated remaining capacity of Portero Hills Landfill is 38.1%.



Richmond Sanitary Service provides weekly solid waste and recycling collection to Pinole.

Recycling and Green Waste Facilities and Programs

The California Integrated Waste Management Act of 1989 (AB939) requires each city and county to divert 50 percent of its waste stream from landfill disposal by the year 2000. RSS provides bi-weekly curbside recycling and green waste services for residents in Pinole, as part of the Contra Costa County Waste Reduction and Recycling program. RSS is obligated by contract to continue services through the year 2011. The City's diversion rate is within the State goal.

RSS delivers recyclables to the West Contra Costa Integrated Waste Management Authority (WCCIWMA) Integrated Resource Recovery Facility (IRRF) in North Richmond. WCCIWMA has general oversight of the

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facility and sets rates for facility operations, recyclables processing and marketing. Household hazardous waste is also managed by the WCCIWMA.

Future Solid Waste and Recycling Facility Needs

Pinole currently has several programs to encourage recycling and other sustainable behaviors, such as the community-wide swap meet and electronic waste recycling program. For more information regarding waste and recycling, please see Chapter 11, Sustainability.

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ENERGY AND COMMUNICATION SYSTEMS

The City of Pinole operates a non-commercial community access cable television station, and maintains a City Website to facilitate the exchange of community information. The City also maintains a fiber optic network of facilities as a deterrent to crime and to assist with police investigations.

The City of Pinole does not presently own or operate energy production facilities, but is beginning to install solar power generators to reduce demand for gas and electric power.

Electrical and Gas Facilities and Programs

Pacific Gas and Electric (PG&E) provides electricity and natural gas to the City of Pinole. The majority of energy that PG&E provides the City is renewable (57 percent), and the remaining energy sources are gas (42 percent) and coal (1 percent).



With the City approaching buildout, it is likely that PG&E will have no difficulty in maintaining this service.

Alternative Energy and Energy Efficiency Facilities and Programs

The City Council reduced the fees for a solar electric permit in Pinole to \$300 per residence in March 2008 to encourage solar energy installations.

General Plan policies promote citizen awareness of energy conservation programs and seek to improve energy conservation through the Residential Rehabilitation Program.

PG&E has numerous programs to promote energy efficiency, many of which are free to public agencies. PG&E's Energy Partners Programs provides assistance for energy conservation improvements.

A number of programs have evolved at the State and National level (e.g. the American Reinvestment and Recovery Act, and Energy Efficiency and Conservation Block Grants Program) that have the potential to support energy conservation in Pinole. For more discussion of energy efficiency programs, please see Chapter 11, Sustainability.

Telephone and Telecommunications Facilities and Programs

SBC-AT & T Communications provides local telephone service to the City, while cable television service is provided through Comcast. Both providers have the ability to maintain these services to meet the need of City residents and businesses in the future.

Both the City and Contra Costa County have experienced a dramatic increase in demand for telecommunications products and services in the last decade as this industry has emerged to provide a new form of customer phone and related services.

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Cable Television

Pinole Cable TV station broadcasts to Pinole, Hercules, Crockett, Rodeo, Tara Hills, and parts of El Sobrante. -This operation is administered by the ~~Parks and Recreation~~ District Department and is housed in the Youth Center.

Future Energy and Communication Facilities and Program Needs

The City of Pinole plans to take advantage of technological advancements to maintain open, transparent, efficient communication. While technology advances at a pace that makes it difficult to identify the City's facility and programming needs into the future, Pinole will increase storage capacity and operating efficiency and take advantage of visual technological enhancements in order to convey information of community interest, improve civic services and business transactions, and defray City costs.

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ISSUES THIS ELEMENT ADDRESSES

This Element provides goals, policies and actions that address the following issues, many of which were raised at public meetings during research to prepare for the update of the General Plan:

- Making efficient use of available City resources to strategically maintain and upgrade facilities.
- Establishing standards and objectives for maintaining excellent, sustainable Emergency Services.
- Maintaining and expanding City parks and park facilities.
- Expanding and enhancing the trail system in Pinole.
- Upgrading wastewater collection and treatment facilities and operations to meet all permit requirements and provide adequate service to the service area, including future anticipated development, in a sustainable, efficient, and environmentally sensitive way.
- Developing a plan to satisfy the City's current and future corporation yard needs.
- Maintaining accessible library services and facilities within the City.
- Improving energy efficiency in City operations.

GOALS POLICIES AND IMPLEMENTATION ACTIONS

The goals of this element are as follows and are listed subsequently with corresponding policies and implementation actions.

- Goal CS.1 Provide safe, attractive, and efficiently-designed infrastructure and sustainable facilities to serve the public-needs.

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- Goal CS.2 Ensure and maintain a high level of public safety in the community.
- Goal CS.3 Provide adequate recreational opportunities for the community.
- Goal CS.4 Ensure the provision of adequate and high quality educational facilities to serve the community.
- Goal CS.5 Provide safe, economical, and dependable water service.
- Goal CS.6 Provide adequate, economical, and dependable wastewater collection service and treatment.
- Goal CS.7 Minimize flooding.
- Goal CS.8 Provide safe, sanitary and environmentally acceptable solid waste management and recycling services.
- Goal CS.9 Provide economical and dependable community services while conserving energy resources.
- Goal CS 10 Provide safe, efficient roadway infrastructure to support multiple modes of transportation and to meet existing and future circulation needs.
- Goal CS 11 Provide reliable communication and information management services to provide timely, easily accessible information about City actions, activities, programs and services.

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GOAL CS.1 Provide safe, attractive, and efficiently-designed infrastructure and sustainable facilities to serve the public needs.

POLICY CS.1.1 ~~Pinole~~The City will strive to provide safe, attractive, and efficiently-designed facilities for public and quasi-public organizations.

ACTION CS.1.1.1 Continue to upgrade the Public Safety Building to ensure adequate parking and evidence storage.

ACTION CS.1.1.2 Develop and implement a plan to update safety features on public buildings, including necessary security upgrades to the Emergency Operations Center.

ACTION CS.1.1.3 Conduct a study of the feasibility of establishing new neighborhood community centers or outreach services in areas not presently served.

ACTION CS 1.1.4 The City shall increase the energy efficiency and hazard resistance of public buildings.

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~~ACTION CS.1.1.5 The City shall comply with the accessibility standards and work to improve access for physically challenged members of the public. (SEE CS1.3.3)~~

POLICY CS.1.2 ~~Pinole~~The City will collect development fees at a sufficient level to finance those public building and facility needs created and/or contributed by new development.

POLICY CS.1.3 ~~Pinole~~The City will endeavor to provide convenient access to community facilities and services to all areas of the community.

ACTION CS.1.3.1 Explore the possibility of providing mobile city services and satellite offices.

ACTION CS.1.3.2 Explore the possibility of developing a community shuttle service that would transport community members to and from City facilities.

ACTION CS.1.3.3 Ensure that all public buildings and facilities are compliant with accessibility standards and meet the access needs of physically challenged individuals.

~~ACTION CS1.3.4 The City shall periodically prepare and update the Recreation Parks and Facilities Master Plan to monitor the condition of recreation facilities and to ensure community needs are adequately addressed.~~

POLICY CS.1.4 Incorporate Crime Prevention through Environmental Design (CPTED) principals in projects and improvements.

ACTION CS.1.4.1 Review Structure Designs. Involve law enforcement agencies in review of the design of new and rehabilitated buildings, including lighting and landscaping, to identify ways to increase resident safety.

POLICY CS.1.5 The City will strive to provide convenient and secure options for storage, organization, and operation of City property.

ACTION CS.1.5.1 Conduct a study to determine the needs Pinole has for a Corporation Yard and where the best location for said Yard will be.

GOAL CS.2 Ensure and maintain a high level of public safety in the community.

POLICY CS.2.1 The Police Department ~~shall will strive seek~~ to ~~maintain provide on scene response to emergency incidents in the City within~~ five minutes ~~average response time for all emergency service calls within the City limits.~~

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ACTION CS.2.1.1 Explore alternative funding options to increase police services to the community.

POLICY CS.2.2 The Police Department will work in partnership with citizens and community organizations to expand community based crime prevention programs.

ACTION CS.2.2.1 The City will work with criminal justice agencies and community groups to support programs that offer information about community policing, reporting of child and adult abuse and neglect, and other crime prevention techniques.

ACTION CS.2.2.2 The City will support efforts to strengthen and expand neighborhood watch programs, and encourage businesses to participate in these programs.

ACTION CS.2.2.4 Work with law enforcement agencies and community groups to promote cleanup, graffiti removal, and other neighborhood beautification efforts.

POLICY CS.2.3 ~~Pinole~~The City will develop a Fire Safety Operations Assessment that identifies the and compares different approaches to the provision of emergency services and identifies needed~~strive to have adequate~~ facilities and an appropriate organizational structure to provide sustainable fire and emergency medical services.

ACTION CS.2.3.1 Continue working with members of Battalion 7 and other emergency services providers to optimize the allocation of resources and most efficiently provide mutual aid in Pinole and surrounding communities.

ACTION CS.2.3.2 Explore organizational and ~~facilities~~ facility changes that could support the continuation of services in a more cost effective manner.

~~**ACTION CS.2.3.4** Examine opportunities to create roadway connections between surrounding communities to shorten response times and improve mutual aid.~~

ACTION CS.2.3.3 Implement organizational changes and necessary capital improvements through the annual budget and Capital Improvement Program and explore alternative funding opportunities to support such changes.

ACTION CS.2.3.4 The City will encourage public education regarding fire prevention, safety and first aid medical procedures.

ACTION CS.2.3.5 The Fire Department will strive to provide on-~~sc~~ene response to emergency incidents in the City within five minutes ~~to all emergency incidents within the City.~~

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POLICY CS.2.4 The City will develop an Open Space Management Plan to identify alternative means of managing open space areas for fire protection, and to improve access to, and through, open space areas.

ACTION CS.2.4.1 Examine alternative Open Space ownership structures that could reduce the City's fire safety maintenance obligations;

ACTION CS.2.4.2 Examine opportunities to create all-weather emergency vehicle access through open space in order to shorten response times and improve mutual aid between Pinole, Hercules, and El Sobrante.

POLICY CS.2.4 The City, its citizens, businesses, and services will be prepared for effective response and recovery in the event of emergencies or disasters.

ACTION CS.2.4.1 Work with public safety and health and human services agencies countywide to maintain interagency and public communications systems that will provide mutual aid and be reliable during and following an emergency.

ACTION CS.2.4.2 Establish educational materials and offer seminars in schools and other civic and neighborhood locations to teach citizens how to prepare for emergencies.

ACTION CS.2.4.3 Work with neighborhood groups and other civic organizations to establish councils that will conduct a variety of disaster-preparedness functions, including emergency response training and removal of vegetation around buildings in areas prone to high or very high fire hazard.

ACTION CS.2.4.4 Locate and design emergency buildings and vital utilities, communication systems, and other public facilities so that they can remain operational during and after an emergency or disaster.

ACTION CS.2.4.5 Develop Evacuation Plans. Work with agencies that provide emergency preparedness, response, and recovery services to formulate definitive plans and procedures for evacuation of hazard-prone areas.

ACTION CS.2.4.6 The City will continue to work with regional partners on the development, implementation, and necessary updates to a hazard mitigation plan to help protect the public in the event of likely natural and man-made hazard events

POLICY CS.2.5 The City will continue to fund the repair, maintenance and expansion of facilities to respond to evolving service needs.

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ACTION CS.2.5.1 Prepare an inventory of the Corporation Yard facility and service needs and identify alternative locations for housing the corporation yard.

ACTION CS.2.5.2 Make needed improvements to the ~~pPublic sSafety bBuilding~~ as funds become available. Improvements include, but are not limited to ~~upgrades to the EOC, security upgrades,~~ expansion of the Property/Evidence room, and expansion ~~of, and/or reconfiguration of access to,~~ the secure parking area.

ACTION CS.2.5.3 Upgrade the Emergency Operations Center (EOC) to maintain a state of readiness. This may require setting aside dedicated space for the EOC.

ACTION CS.-2.5.4 The City will create an ongoing maintenance fund for all public facilities with a focus on preventative maintenance to reduce long-term costs.

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GOAL CS.3 Provide adequate recreational opportunities for the community.

POLICY CS.3.1 Continue to provide a variety of recreational opportunities.

ACTION CS.3.1.1 The City will develop a Parks Master Plan that identifies areas that are underserved by recreation facilities, and identifies opportunity sites that may satisfy existing and projected park and recreation needs.

ACTION CS.3.1.2 The City will work with community organizations, non-profit and civic groups and local schools to provide high quality recreation programs that address the recreation needs of all ages and cultural interests of the community.

ACTION CS.3.1.3 The City will seek available funding opportunities to support recreation in Pinole and to leverage available City and Redevelopment Agency financial resources.

POLICY CS.3.2 Educate the public on all of Pinole's possibilities for the use of leisure time.

ACTION CS.3.2.1 Utilize Pinole's website and email blasts to inform the public on community opportunities to use Pinole's recreation options.

ACTION CS.3.2.2 Explore possibilities with the school district and local medical offices to offer educational programs on health and well-being that combines with utilization of Pinole's recreation options.

POLICY CS.3.3 Expand and organize a multi-use trail system.

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- ACTION CS.3.3.1** Complete a map of Pinole's trail system and offer copies to the community.
- ACTION CS.3.3.2** Develop and implement a plan to close the gap in the Bay Trail along Pinole's shoreline.
- ACTION CS.3.3.3** Participate in the San Francisco Bay Area Water Trail.
- ACTION CS.3.3.4** Implement the trail improvements identified in the Pinole Creek Master Plan.
- ACTION CS.3.3.5** Work with the East Bay ~~Municipal Utilities~~Regional Parks District to extend trail connections from San Pablo Bay to southern ridgelines in, and adjacent to, Pinole.
- ACTION CS.3.3.6** Explore alternative funding options to acquire land to expand Pinole's trail system.
- ACTION CS.3.3.7** Where possible, secure rights to public access and incorporate trail improvements in development proposals.
- POLICY CS.3.4** Explore, develop, and implement a plan to expand Pinole's park system.
- ACTION CS.3.4.1** The Parks Plan should provide a minimum of three acres of land for a neighborhood or regional park for every 1,000 residents or 5 acres of dedicated open space for every 1,000 residents.
- ~~The park plan should provide a minimum of 2.5 acres for every 1,000 residents.~~
- ACTION CS.3.4.2** Future park sites should be planned for neighborhoods that do not currently have a park within walking or bicycling distance.
- ACTION CS.3.4.3** Review of development proposals shall be organized in conjunction with the Recreation Department in order to designate sites for new parks and recreation facilities.
- ACTION CS.3.4.4** Consider allowing incentives such as density bonuses for development projects that provide parks and/or recreational open space.
- ACTION CS.3.4.5** Implement a program to acquire recreational open space areas and permanently protect the land from other future development.
- ACTION CS.3.4.6** Utilize Community Facilities Districts, Mello-Roos, and/or lighting districts to provide funding for on-going maintenance and operation of parks and recreation facilities.

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ACTION CS.3.4.7 [PinoleThe City](#) will work with the municipalities and park and recreation districts to develop additional regional and community parks, support and implement parks master plans, organize financing for recreation and park facilities, and plan for the distribution of federal and State funds for recreation and park programs and facilities.

GOAL CS.4 Ensure the provision of adequate and high quality educational facilities to serve the community.

POLICY CS.4.1 The City will assist West Contra Costa Unified School District to ensure mitigation of impacts upon school facilities from new growth within Pinole.

POLICY CS.4.2 The City will cooperate with West Contra Costa Unified School District to obtain funds from other sources to provide high quality public educational facilities.

POLICY CS.4.3 [PinoleThe City](#) will seek opportunities to improve connections between school facilities and the community.

ACTION CS.4.3.1 Develop and implement a program to increase vehicle, bicycle, and pedestrian safety and provide safe routes to each Pinole school.

ACTION CS.4.3.2 Work with West Contra Costa Unified School District to maximize school bus options and safety to serve all students.

POLICY CS.4.4 Assist the West Contra Costa Unified School District with identifying suitable future uses for any school sites determined to be no longer suitable by the District.

POLICY CS.4.6 [PinoleThe City](#) will continue to support the County [efforts](#) to [help](#) ensure that high quality library facilities and services remain within the City.

ACTION CS.4.6.1 Provide optimum daily access to library services.

ACTION CS.4.6.2 Provide quality library services in a cost-effective manner.

ACTION CS.4.6.3 Examine options for grants and other alternative funding to increase library services.

ACTION CS.4.6.4 Encourage community groups and organizations to interact and include library services in their programs.

ACTION CS.4.6.5 Use technology to optimize the development and delivery of library resources and services.

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- ACTION CS.4.6.6** Continue to provide a strong central library with extension services and facilities for people who do not have reasonable access to the main library.
- ACTION CS.4.6.7** Cooperate with other public and private agencies to improve library services.
- ACTION CS.4.6.8** Assist the County and Library with exploring alternative sites for the Pinole Library.
- GOAL CS.5** ~~Provide economical and dependable water service.~~ Provide safe, economical, and dependable water service.
- POLICY CS.5.1** The City will make improvements to the water supply system to maintain system capability and reliability.
- POLICY CS.5.2** The City will continue to promote the conservation of water by all customers.
- ~~**ACTION CS.5.2.1** The City shall investigate establishing new guidelines requiring water use restrictions for irrigation systems and for requiring use of drought-resistant and native plants in landscaping.~~
- GOAL CS.6** Provide safe, adequate, economical, and dependable wastewater collection service and treatment.
- POLICY CS.6.1** The City shall continue to make capital improvements to the wastewater collection and treatment system to maintain system capability and reliability.
- ACTION CS.6.1.1** The City shall ensure that all parts of the collection system are maintained in adequately safe condition.
- ACTION CS.6.1.2** The City shall implement treatment plant improvements as necessary to ensure that all permit requirements are met and the system is adequate to accept and treat all flows. ~~All updated facilities will be completed and online by June 1, 2016.~~
- ~~**ACTION CS6.61.3** The City will continue to implement a program to inspect and repair the City's sewer collection system to reduce both infiltration and inflow.~~
- ACTION CS.6.1.43** New sewer collection and transmission systems shall be designed and constructed to minimize potential inflow and infiltration, and the existing collection system will be upgraded to reduce inflow and infiltration.
- POLICY CS.6.2** The City will strive to provide sufficient capacity at the Pinole/Hercules Water Pollution Control Plant to serve anticipated demand in the service area.

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ACTION CS.6.2.1 The Pinole Public Works department shall be given the opportunity to review and make recommendations on all new development proposals to ensure there is adequate capacity to serve the project.

ACTION CS.6.2.2 The City will prepare a capital replacement plant management report and update as needed to implement Goal CS.6.

ACTION CS.6.2.3 The City will update the Water Pollution Control Plant to improve the plant's ability to process solids to solve the imbalance in solids processing that has reduced the actual capacity of the plant.

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POLICY CS.6.3 The City will assure that all improvements to the sewer system necessitated by the approval of new projects are proportionately financed by the project sponsor.

POLICY CS.6.4 The City shall promote beneficial uses of wastewater biosolids and effluent.

POLICY CS.6.5 Encourage public and private wastewater dischargers to minimize contamination of surface water and groundwater.

ACTION CS.6.5.1 The City will Strive to ~~discontinue, or minimize,~~ minimize the use of hypochlorite in the treatment of wastewater and explore other feasible treatment options.

GOAL CS.7 Minimize flooding.

POLICY CS.7.1 The City will ensure that the storm drain system has adequate capacity to minimize street flooding ~~from the design standard storm,~~ and, where feasible, shall expand the capacity of the system to control storm flows.

POLICY CS.7.2 The City will require new developments to: minimize the amount of off-site drainage by retaining stormwaters for on-site percolation, provide adequate drainage facilities for remaining off-site flows, maintain natural drainage channels, and avoid alteration of off-site drainage courses.

POLICY CS.7.3 The City will work with the East Bay Municipal Utility District to create a flood water diversion area to reduce the potential for downstream flooding.

ACTION CS.7.3.1 The City will continue to work together with the East Bay Municipal Utility District and Contra Costa Flood Control District and other regional partners to develop detention basins in the upper reaches of the Pinole Creek Watershed to benefit biological resources and reduce flooding hazards.

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POLICY CS.7.4 The City will continue implementing the Pinole Creek Vision Plan and Master Plan to optimize resource protection and recreation opportunities while reducing the potential for flooding.

ACTION CS.7.4.1 The City will continue to work with the Contra Costa Flood Control District and other regional partners to establish a long-term funding source for Pinole Creek flood control maintenance and habitat restoration efforts.

GOAL CS.8 Provide safe, sanitary and environmentally acceptable solid waste management.

POLICY CS.8.1 The City will continue to encourage efforts to reduce, recycle, and compost as many materials as possible to minimize demand for future waste disposal facilities.

ACTION CS.8.1.1 Continue to meet or exceed the waste diversion requirements of 50%, and develop and implement a program to reduce waste entering the landfill by attaining a ~~65~~75% diversion rate by January 2020.

ACTION CS.8.1.2 Encourage Pinole residents, businesses and industries to reduce the use of non-biodegradable and non-recyclable materials, including reduced use of packaging and use of reusable, rather than disposable, products.

ACTION CS.8.1.3 Construction sites shall provide for the salvage, reuse, or recycling of construction and demolition materials.

ACTION CS.8.1.4 Public buildings will incorporate on-site storage facilities for recycled materials.

POLICY CS.8.2 Educate the public and provide opportunities to utilize waste reduction techniques.

ACTION CS.8.2.1 Distribute public education materials on solid waste source reduction, recycling and composting, and the proper handling of household hazardous waste.

ACTION CS.8.2.2 Increase opportunities for safe disposal or recycling of electronic waste (e-waste) and hazardous waste by residents and businesses in Pinole.

ACTION CS.8.2.3 Continue community-wide efforts, such as the regular area swap meets, to minimize waste.

POLICY CS.8.3 The City will continue to reduce litter to the maximum extent possible.

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GOAL CS.9 Provide economical and dependable services while conserving energy resources.

POLICY CS.9.1 ~~Pinole~~The City will seek opportunities to improve the energy efficiency of facilities and operations.

ACTION CS.9.1.1 Continue to encourage the use of solar energy, both active and passive, in the orientation and design of all new construction projects.

ACTION CS.9.1.2 Continue efforts to convert public buildings to solar power wherever possible.

ACTION CS.9.1.3 Where possible, the City will replace vehicles in the motor pool with energy efficient vehicles or vehicles that use alternative forms of energy.

GOAL CS.10 Provide safe, efficient roadway infrastructure to support multiple modes of transportation and to meet existing and future circulation needs.

POLICY CS.10.1 The City will ~~coordinate~~continue to communicate with adjoining jurisdictions and regional agencies to ~~coordinate~~regarding coordination of the region's transportation planning and maintaining and improving transit options~~and use and transportation planning. -to ensure~~

ACTION CS.10.1.1 The City will continue to actively participate on WCCTAC.

ACTION CS.10.1.2 The City will work with WestCAT, AC Transit and other transit providers to support expanded transit lines and increased frequency of service on major transit arterials.

POLICY CS.10.2 The City will update, where possible, the existing roadway network to ~~enhance~~pedestrian, bicycle and transit circulation while maintaining safe vehicular circulation.

ACTION CS.10.2.1 The City will continue to update the pavement management program to ensure roadway infrastructure is adequately maintained.

~~**ACTION CS.10.2.1** The City will continue to update the pavement management program to ensure roadway infrastructure is adequately maintained.~~

ACTION CS.10.2.2 The City will prepare a citywide sidewalk ~~conditions~~conditions inventory and ~~and~~incorporate necessary improvements in the CIP to ensure safe pedestrian access throughout the community.

COMMUNITY SERVICES AND FACILITIES

ACTION CS.10.2.3 The City will systematically construct new sidewalks at locations determined through the sidewalk condition inventory and the Transportation and Pedestrian Safety (TAPS) Advisory Committee.

GOAL CS.11 Provide reliable communication and information management services to provide timely, easily accessible information about City actions, activities, programs and service.

POLICY CS.11.1 The City will maintain Public Access Cable Television to support communication within Pinole and to surrounding communities.

ACTION CS.11.1.1 The City will utilize public access television to regularly share information and broadcast important City events.

POLICY CS.11.2 The City will optimize Internet communication as a sustainable way to provide and receive information from Pinole citizens, and as a means of conducting City business in an open, transparent, and efficient fashion.

ACTION CS.11.2.1 The City will maintain an easily navigable website and post useful information about available city services, events and programs.

ACTION CS.11.2.2 The City will make strategic equipment purchases to keep pace with evolving technology and ensure efficient, accessible communication.

POLICY CS.11.3 The City will continue its efforts to transition from paper to various electronic media to address limited storage capacity, improve information retrieval efficiency, and save financial resources.

ACTION CS.11.3.1 The City will expand the range of information and services accessible exclusively through the internet as technology evolves to improve efficiency and conserve financial resources.

ACTION CS.11.3.2 The City will provide links on its website to information from other organizations that benefits the public and addresses frequently asked questions.

POLICY CS.11.4 The City will strive to ensure reliable communications systems during natural and man-made emergencies.

ACTION CS.11.3.1 The City will seek improved information management and communications technologies to improve service delivery and conserve financial resources.

COMMUNITY SERVICES AND FACILITIES

POLICY CS.11.5 The City will use ~~of~~ fiber optic communications to enhance public services and provide visual communication to improve security throughout the City.

ACTION CS.11.5.1 The City will prepare a Fiber Optic System Master Plan to ensure that needed infrastructure is planned for, and ultimately installed, throughout the City.

ACTION CS.11.5.2 The City will establish public/private partnerships to share fiber optic technology and defray City expenses from installing and operating a fiber optic network.