

CHAPTER 12: IMPLEMENTATION

IMPLEMENTATION

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Although the General Plan is a policy document, serving as the foundation for City decision-making, including ordinances and expenditures, it also includes a number of Actions that are intended to indicate how the City will implement the goals and policies in this Plan. To facilitate the implementation the General Plan, this section consolidates the implementation actions, identifies the agency that is primarily responsible for the action, and assigns relative time frames for implementation of the action. The implementation section will enable the City to more easily monitor the General Plan progress and prepare an annual report to the legislative body on the status of the plan and progress in its implementation.

Actions are included in all elements of the General Plan,¹ appearing immediately after the policy they implement.

This Implementation section repeats the Actions from each of the Plan's elements, assigns each a desired priority, and indicates who will be responsible for their implementation.

IMPLEMENTATION SCHEDULE

Each of the Actions listed below is provided with a guide to the general timeframe in which the City intends to begin working on the item. "Ongoing" items are those which are already being undertaken by the City or which are expected to continue throughout the General Plan's planning period or until they are no longer needed.

Guide to Schedule Notes

A – Generally will begin in 1-5 Years

B – Generally will begin in 5-10 Years

O – Ongoing

It should be noted that the schedule for the items refers to the *start* of implementation, not to *completion*. Completing some of the actions contemplated by this plan may occur quickly, while others may require several years.

In all cases, the City's ability to implement the actions in this Plan will depend on its ability to secure funding for staff time, studies, etc. Implementation priorities will be evaluated and adjusted as directed by the City Council. Modifications to the priorities or responsible parties will not require a General Plan Amendment.

RESPONSIBILITIES

The party or parties that are primarily responsible for implementing each Action, whether a specific City department or, in some cases, an outside agency, are also indicated where applicable.

¹ Except the Housing Element, which includes its own, separate implementation plan and quantified objectives.

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Guide to Responsible Parties

CM/G – City Manager/General City Operations

CD – Community Development (Building, Planning and Redevelopment)

PW – Public Works

PD – Police Department

FD – Fire Department

REC – Recreation Department

COMMUNITY CHARACTER

Action CC.1.1.1 Enforce Pinole's Residential Design Criteria and Guidelines to ensure that quality design is required as a condition of approval. Ensure new development is compatible with the scale and character of the neighborhoods and the architectural styles in Pinole's community. Continue to use Design Review Guidelines to review residential and mixed-use projects for consistency with Pinole's design goals.

Timing: O

Responsibility: CD

Action CC.1.1.2 Adopt and enforce the design guidelines to guide improvements, renovations and future development in the San Pablo Avenue, Pinole Valley Road and Appian Way Three Corridors Specific Plan areas to be consistent with the vision and urban design principles developed for the areas in the Specific Plan document.

Timing: A (Adopt Guidelines), O (Enforce)

Responsibility: CD

Action CC.1.1.3 Establish and enforce Commercial and Industrial Design Criteria and Guidelines to ensure that quality design is required as a condition of approval. Ensure new development is compatible with the scale and character of the neighborhoods and the architectural styles in Pinole, and embrace concepts of transit- and pedestrian-oriented development and sustainability.

Timing: A (Establish Guidelines), O (Enforce)

Responsibility: CD

Action CC.1.1.4 To preserve opportunities for comprehensive planning, design and coordinated development of larger commercial and industrial properties, the City discourages subdivision of large commercial and industrial properties until a long-range master plan is approved for the long-term use of the property.

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Timing: O
Responsibility: CD

Action CC.1.2.1 The City should establish an enhanced, expedited design review process at staff level for new development projects (both public and private), regardless of project size within the primary circulation corridors. As part of the design review process, require development projects to use quality materials that are long-lasting to ensure a sense of permanence for each project. New development projects should be approved only if they meet detailed design guidelines approved by the City Council.

Timing: A (Establish Guidelines)
Responsibility: CD

Action CC.1.2.2 Regulate signs through a planned sign program. Require master sign plans for all new commercial centers. Establish, implement and enforce sign design guidelines for all types of development.

Timing: O
Responsibility: CD

Action CC.1.3.1 Review improvement plans for inclusion of design elements. Make sure street lamps, signs, etc. are consistent with the theme of the neighborhood and the design guidelines in order to visually integrate the community.

Timing: O
Responsibility: CD, PW

Action CC.1.3.2 Establish a gateway program to create a sense of entry at key locations (such as at the intersection of San Pablo Avenue and Tennent Avenue in Old Town Pinole and at Appian Way near I-80) throughout the city and promote wayfinding throughout the community. Use creative designs that respond to the character and history of the city to establish a sense of place, including gateway signage, streetscape design, site landscaping and other features. Incorporate community landmarks and focal points (including public art and other design features such as fountains and monuments) into community and neighborhood parks, linear pathway intersections and commercial areas in the existing downtown core and neighborhoods. Users should feel a sense of arrival and be welcomed to the city.

Timing: A
Responsibility: CD

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Action CC.1.4.1 Adopt the Three Corridors Specific Plan or other design controls for Old Town Pinole that require the use of building materials, architectural features and other design elements for new construction and building renovations that reflect the historic buildings in Old Town Pinole.

Timing: A
Responsibility: CD

Action CC.1.4.2 Create incentives for mixed-use development projects that reflect the city's past, with commercial, retail and restaurant uses on the ground floor and residential and office uses on upper levels in Old Town Pinole. Encourage minimal building setbacks and parking on streets and in the rear of buildings. Continue the encouragement of shared parking for mixed-use buildings as described in the Zoning Ordinance.

Timing: A (Create incentives), O
Responsibility: CD

Action CC.1.4.3 Ensure development of "opportunity sites" with high-quality mixed-use or high-density housing.

Timing: O
Responsibility: CD

Action CC.1.4.4 Enhance Pinole's image and quality of life through investment in the Old Town, neighborhoods, commercial districts, parks, open spaces, community facilities and services, and create a high level of perceived safety and a business-friendly government.

Timing: O
Responsibility: CM/G, CD, PD, FD

Action CC.1.5.1 Through the design review process, ensure that development in Pinole is oriented toward the maintenance and upkeep of the city's unique character.

Timing: O
Responsibility: CD

Action CC.1.5.2 Continue to support the code enforcement program to ensure private properties are maintained in accordance with community standards.

Timing: O
Responsibility: CD, PD

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- Action CC.1.5.3** Utilize the Zoning Code provisions to identify appropriate solutions to create compatibility between existing neighborhoods and new developments.
- Timing: O**
Responsibility: CD
- Action CC.2.1.1** Create a connected network of open spaces in Pinole that are accessible to the community for outdoor recreation and other use and enjoyment as a key aspect of local community character.
- Timing: O**
Responsibility: CD, REC
- Action CC.2.1.2** Promote and provide an integrated pedestrian and bicycle network that links open spaces and other destination points within Pinole.
- Timing: O**
Responsibility: CD, PW
- Action CC.2.1.3** Enhance existing priority development areas, commercial corridors, trails and significantly sized public spaces that preserve and take advantage of vistas. Many of Pinole's existing open space areas are on or near existing ridgelines with scenic views. Ensuring that trails connect these spaces enhances scenic opportunities.
- Timing: O**
Responsibility: CD, REC
- Action CC.2.1.4** Determine new connections, public spaces and improvements needed along pedestrian and bike paths, and add new trails. Prioritize completion and connection of the Bay Trail through Pinole.
- Timing: A**
Responsibility: REC, CD, PW
- Action CC.2.1.5** Review improvement plans and construction drawings for consistency with Policy CC.2.1 related to the use of native vegetation and design features that highlight natural features and views.
- Timing: O**
Responsibility: PW
- Action CC.2.2.1** Require public and private improvement plans to be reviewed by a qualified biologist/arborist if a project site contains biological resources or trees.

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- Timing: O**
Responsibility: CD, PW
- Action CC.2.2.2 Require mitigation for removal of important trees that function as habitat for protected raptors and protected tree species in Pinole.
- Timing: O**
Responsibility: CD
- Action CC.2.2.3 Consider a tree planting and preservation program that will encourage sensitive site planning, the retention of existing trees, the planting of new trees (especially native species) and the replacement of trees that are removed.
- Timing: A**
Responsibility: CD, PW
- Action CC.2.2.4 Consider offering density bonuses and other incentives to developers that preserve native resources within new development projects.
- Timing: O**
Responsibility: CD
- Action CC.2.2.5 Continue implementation of the Pinole Creek Vision Plan, Pinole Creek Greenway Master Plan and Pinole Creek Restoration Plan.
- Timing: O**
Responsibility: CD, REC
- Action CC.2.2.6 Establish required setbacks for development located in or near sensitive areas such as wetlands, Pinole Creek or along Pinole's many ridgelines.
- Timing: A**
Responsibility: CD
- Action CC.2.3.1 Adopt light and glare zoning code regulations for residential development that incorporate best practices and the California Energy Commission updated lighting standards.
- Timing: A**
Responsibility: CD
- Action CC.2.3.2 Adopt light and glare code regulations for commercial development that incorporate best practices and encourage energy conservation.

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Timing: A
Responsibility: CD

Action CC.2.3.3 The Illuminating Engineering Society Publication, RR-89, indicating the illumination intensity and uniformity requirements should be utilized for lighting located within Pinole.

Timing: O
Responsibility: CD, PW

Action CC.2.3.4 All outdoor lighting fixtures shall be designed, shielded, aimed, located and maintained to shield adjacent properties and to not produce glare onto adjacent properties or roadways.

Timing: O
Responsibility: CD, PW

Action CC.3.1.1 As set out in the Three Corridors Specific Plan, foster mixed-use development with multi-family residential and commercial uses in Old Town Pinole to provide a range of housing opportunities for the community.

Timing: O
Responsibility: CD

Action CC.3.1.2 Work with project proponents to locate retail uses within residential projects in appropriate locations and at the appropriate scale to serve local and community retail needs.

Timing: O
Responsibility: CD

Action CC.3.1.3 Implement the Three Corridors Specific Plan that identifies appropriate land uses, incentives, development standards and design provisions.

Timing: A/B
Responsibility: CD

Action CC.3.1.4 Support the development of specialty food stores and restaurants in Old Town Pinole to meet the needs of the region's diverse population, be a catalyst for future development and meet the needs of the growing number of visitors to the area.

Timing: O
Responsibility: CD, CM/G

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Action CC.3.1.5 Implement the Three Corridors Specific Plan to establish a program to provide pedestrian amenities such as wider sidewalks, seating options, highly visible crosswalks, landscape buffers and curb bulbouts.

Timing: A/B
Responsibility: CD

Action CC.3.1.6 Provide more transit options in the Old Town area.

Timing: A
Responsibility: CM/G, CD, PW, WestCAT Transit

Action CC.3.1.7 Consider implementing suggestions in the Three Corridors Specific Plan to narrow travel lanes and narrow San Pablo Avenue from four lanes to two through Old Town Pinole to be more pedestrian-friendly and to improve safety and visibility for the community.

Timing: A/B
Responsibility: PW, CD

Action CC.3.2.1 Work with the Pinole Redevelopment Agency to establish programs and incentives that can be used to attract desirable new businesses and develop performance criteria to ensure that the benefits generated are in line with the incentives provided. Offer incentives to business owners and property owners for improving the appearance of aging shopping centers and retail space.

Timing: A
Responsibility: CD, CM/G

Action CC.3.2.2 Continue to utilize the City of Pinole website to attract attention to Pinole's redevelopment and economic development efforts. Create and maintain an economic development Web page on the City's website with pertinent economic and demographic information as well as profiles of key development sites and vacant buildings available for new businesses.

Timing: O
Responsibility: CD, CM/G

Action CC.3.2.3 Promote and support specialty businesses and ethnically diverse enterprises throughout the city.

Timing: O
Responsibility: CM/G, CD

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Action CC.3.2.4 Improve and expand the shopping opportunities in Pinole by expanding efforts and continuing to assist store owners and smaller merchants with rehabilitation and marketing through Pinole’s Commercial Rehabilitation Program.

Timing: A
Responsibility: CD

Action CC.3.2.5 Re-examine existing and ongoing redevelopment efforts in Pinole. Take advantage of existing redevelopment projects that are not fully leased to determine whether new uses should be established.

Timing: A
Responsibility: CD

Action CC.4.2.1 Pursue recognition of eligible historic properties by the National Register of Historic Places and California Register of Historical Resources, and consider a variety of ways to identify and document historic buildings and properties throughout the city.

Timing: A/B
Responsibility: CD

Action CC.4.2.2 Maintain an up-to-date inventory of existing historic resources, including artifacts, structures, sites, areas and natural phenomena. Map the location of historic districts and historic and natural resources.

Timing: O
Responsibility: CD, PW

Action CC.4.2.3 Establish a program to identify historical structures, places and events in recognition of their status. This program may include the use of signs, monuments, public art and interpretive exhibits.

Timing: A/B
Responsibility: CD, REC, CM/G

Action CC.4.3.1 Establish review procedures for development projects that recognize the history of the area in conjunction with state and federal laws.

Action CC.4.3.2 Establish a Historic Preservation Ordinance to provide for the appropriate development and maintenance of historic resources and their environment.

Timing: A
Responsibility: CD

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- Action CC.4.4.1** Consider establishing a historic center (e.g., museum or cultural center) to collect, display, maintain and share information about Pinole's heritage.
- Timing: A**
Responsibility: CD, REC
- Action CC.5.1.1** Support and encourage organizations that are responsible for coordinating cultural events, parades and festivals, coordinating and communicating with cultural and ethnic communities and other activities as determined by the City Council.
- Timing: O**
Responsibility: CM/G, REC
- Action CC.5.1.2** Ensure that design guidelines provide adequate flexibility to accommodate development projects that include design features and cultural identity to celebrate the different cultures that make up Pinole.
- Timing: O**
Responsibility: CD
- Action CC.5.1.3** Encourage and invite cultural groups and organizations to participate/plan/operate citywide events and to showcase the city's cultural diversity at these events.
- Timing: O**
Responsibility: CM/G, REC
- Action CC.5.2.1** Showcase artwork in public venues such as City Hall, public libraries and other places throughout the community.
- Timing: O**
Responsibility: CM/G, REC
- Action CC.5.3.1** Consider utilizing the Community Services Commission or establishing another organization that is responsible for establishing a public art program, directing the use of public funds for art in public places, encouraging the use of art in private development projects, and administering other cultural and artistic programs for the city as deemed appropriate by the City Council.
- Timing: A**
Responsibility: CM/G

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Action CC.5.3.2 Promote the incorporation of monuments, plaques, signs or artwork identifying Pinole’s diverse history into development projects, at existing community facilities such as the Senior Center, and on pedestrian and bicycle trails.

Timing: O

Responsibility: CD, REC

GROWTH MANAGEMENT

Action GM.1.1.1 **Regional Planning.** Work with regional planning agencies (e.g., Metropolitan Transportation Commission, Association of Bay Area Governments, Contra Costa Transportation Authority, West Contra Costa Transportation Advisory Committee, Bay Conservation and Development Commission, and Bay Area Air Quality Management District) and transit providers (e.g., WestCAT, AC Transit, and Bay Area Rapid Transit) to address regional land use, transportation and environmental issues.

Timing: O

Responsibility: CM/G, CD, PW

Action GM.1.1.2 **LAFCO.** Work with the Local Agency Formation Commission (LAFCO) to periodically review the efficacy of public services and take advantage of opportunities to defray City costs without sacrificing services.

Timing: O

Responsibility: CM/G, CD

Action GM.1.1.3 **WCCTAC.** Work with WCCTAC to develop and update the Action Plan for Routes of Regional Significance, to establish Multimodal Transportation Service Objectives (MTSOs), and to coordinate planning for projects and programs of regional importance.

Timing: O

Responsibility: PW, CD

Action GM.1.1.4 **CCTA.** Continue to help maintain the Contra Costa Transportation Authority’s travel demand modeling system by providing information on proposed improvements to the transportation system and planned and approved development within Pinole.

Timing: O

Responsibility: PW, CD

IMPLEMENTATION

Action GM.1.1.5 **Emergency Preparedness.** Continue to participate in regional emergency preparedness planning efforts and in shared emergency services and mutual aid opportunities.

Timing: O

Responsibility: CM/G, FD, PW, CD

Action GM.1.1.6 **Hercules.** Endeavor to work with the City of Hercules to address wastewater disposal issues and opportunities to ensure compliance with operating permits, to provide sewage disposal to accommodate anticipated growth, and to remedy existing facilities deficiencies.

Timing: O

Responsibility: CM/G, PW

Action GM.1.1.7 **CCTA.** Continue to maintain the adopted voter-approved Urban Limit Line according to the Principles of Agreement developed by the Contra Costa Transportation Authority.

Timing: O

Responsibility: CD, CM/G

Action GM.2.1.1 **Service Standards.** Periodically monitor, review and update Pinole's service standards to maintain fire, police, parks, sewer, water, and flood control services within Pinole. The following standards will be used to guide decision making through the development review process.

Parks and Recreation

1. **Parks:** 3.0 acres of neighborhood or regional parks, or 5.0 acres of dedicated open space per 1,000 residents.

Fire

Pinole will endeavor to maintain capital facilities, equipment and staffing sufficient to maintain the following service level:

1. **First Engine Company:** 5-minute response time for emergency calls 90 percent of the time.
2. **Water Requirements:** 3,500 gallons per minute (gpm) minimum on initial response assignment.

Police

Pinole will strive to maintain capital facilities, equipment and staffing to maintain a 5-minute response time for emergency calls.

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Sanitary Facilities

Pinole will continue to work with Hercules and the West County Wastewater District to monitor, manage and maintain Pinole's wastewater collection and treatment system and to upgrade as necessary to meet permit requirements and capacity needed for current flow amounts and projected future growth.

Water

Verification by East Bay Municipal Utility District (EBMUD) that adequate water supply and quality can be provided shall be required for approval of new development.

Flood Control

1. **Capacity:** Flood protection facilities should be designed to contain a 100-year flood event, as determined by the Federal Emergency Management Agency (FEMA).
2. **Climate Change:** Flood protection improvements should anticipate the probable effect of climate changes as they relate to sea level.
3. **Upstream Improvements:** Coordinate with EBMUD to plan for a detention/diversion basin south of the city to meter peak period flows in Pinole Creek.

Timing: O

Responsibility: CD, PW, PD, FD

Action GM.2.2.1

Regional Development Mitigation Program. Participate in the development and implementation of a regional or subregional development mitigation program based on any nexus established through the Action Plan process.

Timing: A (Develop), O (Implement)

Responsibility: CD, CM/G

Action GM.2.2.2

Growth Management Fees. Continue participating in the regional development mitigation program to establish fees, exactions, assessments or other mitigation measures to fund regional and subregional transportation improvements. The City will update and collect applicable fees to mitigate impacts of developments on the local and regional transportation system.

Timing: O

Responsibility: CD, PW, CM/G

IMPLEMENTATION

Action GM.2.2.3 Growth Management Capital Projects. Include capital projects, generally showing complete project cost and intended project phasing, in Pinole's annual Capital Improvement Program which are necessary to:

1. Extend services to new development.
2. Maintain traffic standards established in the General Plan.
3. Address the City's responsibilities under the adopted West Contra Costa Action Plan.
4. Maintain standards for fire, police, parks, sewer, water, and flood control established in Pinole's Growth Management Element. (*Note: See Measure J program relating to Capital Improvement Program.*)

Timing: O

Responsibility: CM/G, PW

Action GM.2.2.4 Development Review. Participate in regional review of development proposals that have the potential to impact regional facilities, resources and services.

1. Circulate environmental documents to surrounding jurisdictions for review and comment.
2. Submit to the West Contra Costa County Technical Advisory Committee proposed revision(s) to the West County Action Plan to mitigate impacts associated with proposed General Plan amendments over the threshold specified in the adopted West County Action Plan.
3. Participate in the conflict resolution process established by the CCTA in the Growth Management Implementation Documents as a means of resolving disputes between neighboring jurisdictions related to the Action Plan and other Measure C/J transportation-related issues.
4. Ensure that all new development bears a fair share cost of mitigating impacts on the City's ability to provide essential services.

Timing: O (Items 1, 3, 4) A (Item 2)

Responsibility: CD, PW, CM/G

Action GM.2.3.1 Where feasible, development should provide improvements necessary to ensure adequate service to the project and create an adequate mechanism for ensuring ongoing funding for necessary services.

Timing: O

Responsibility: CD, PW

IMPLEMENTATION

- Action GM.2.3.2** Where improvements are needed to serve multiple projects or existing development, the City will maintain a development mitigation program to collect the proportionate share of a development's contribution to capital and service costs associated with regional and local facilities and services needed to support the development. The development mitigation program may include, but not be limited to:
- a. Development Impact Fees;
 - b. User Fees;
 - c. Quimby Act Fees or other Park and Recreation Fees;
 - d. Transportation Management Fees; and
 - e. Connection Fees.
- Timing: O**
Responsibility: CM/G, CD, PW
- Action GM.3.1.1** **Transportation System Management.** Update the Transportation System Management (TSM) ordinance to reflect General Plan policies.
- Timing: A**
Responsibility: PW, CD
- Action GM.3.1.2** **Transportation Demand Management.** Adopt Transportation Demand Management practices that can be applied in new development projects.
- Timing: A**
Responsibility: PW, CD
- Action GM.3.2.1** **Traffic Operations.** Apply the traffic operation standards (level of service) established in the Circulation Element.
- Timing: O**
Responsibility: PW, CD
- Action GM.3.2.2** **Exceptions.** Maintain traffic operation standards at intersections except where:
1. Operations exceed adopted standards but which are expected to meet standards following implementation of projects in the adopted five-year Capital Improvement Program.
 2. Alternative modes of transportation are available (e.g., bicycle lanes and facilities, bus transit and shuttle service).

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3. Projects result in housing that is affordable to people who work and live in Pinole.

Timing: O

Responsibility: PW, CD

Action GM.3.2.3

Alternative Modes of Transportation. Work with regional transportation agencies to develop circulation standards that:

1. Emphasize the movement of people, not solely automobiles, as the performance objective.
2. Adjust service standards to include trips accommodated by bicycle routes and facilities, pedestrian connections and transit service.

Timing: A

Responsibility: PW, CD

Action GM.3.3.1

Bus Service. Coordinate with WestCAT and AC Transit to strategically expand commute and local bus services in Pinole. Transit service planning should consider the following:

1. Loop service along primary circulation corridors.
2. Enhanced access to major employment centers or transit hubs to minimize the number of transfers associated with trips.

Timing: O

Responsibility: PW, CD

Action GM.3.3.2

Carpools and Transit. The City will develop a plan to make more efficient use of the regional and subregional transportation system that includes the following considerations.

1. Improved access to commuter bus service by enhancing access to nearby park-and-ride facilities or by providing a park-and-ride facility in Pinole to support commuter bus service.
2. Promoting the use of carpools and vanpools.

Timing: A

Responsibility: CM/G, PW, CD

Action GM.3.4.1

Circulation Corridors. Adopt the Three Corridors Specific Plan for the San Pablo Avenue, Appian Way and Pinole Valley Road corridors to include bicycle, pedestrian and transit facilities and services and convenient vehicle access.

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Timing: A
Responsibility: CD

Action GM.3.6.1 **Discourage Trip Diversion.** Discourage use of San Pablo Avenue through Old Town as a bypass for Interstate 80 through street designs and improvements that slow traffic.

Timing: O
Responsibility: PW, CD

Action GM.3.6.2 **Route of Regional Significance.** Consider designating Fitzgerald Avenue as a route of regional significance that could replace or supplement Appian Way as the north-south route of regional significance in Pinole.

Timing: A
Responsibility: PW, CD

Action GM.4.2.1 **Housing Element Programs.** In accordance with the General Plan's Housing Element, provide housing opportunities in a variety of structure and tenure types for all economic sectors and compositions of households to maintain a jobs/housing balance as a method of potentially reducing commute trip lengths.

Timing: A/O
Responsibility: CD

LAND USE AND ECONOMIC DEVELOPMENT

Action LU.1.1.1 Adopt and implement the Three Corridors Specific Plan for the San Pablo Avenue, Pinole Valley Road and Appian Way corridors.

Timing: A (Adopt), O (Implement)
Responsibility: CD

Action LU.1.2.1 Adopt a Zoning Code Update to implement the General Plan.

Timing: A
Responsibility: CD

Action LU.1.3.1 Continue to identify civic beautification projects and programs to implement the General Plan and include them in the Capital Improvement Program.

Timing: O
Responsibility: PW, CM/G, CD

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Action LU.1.3.2 Implement the existing Residential Design Criteria and Guidelines for residential development, and create design guidelines for Old Town Pinole and hillside development.

Timing: O (Implement existing), A (Create)
Responsibility: CD

Action LU.1.4.1 Maintain the existing code enforcement program.

Timing: O
Responsibility: CD, PD

Action LU.1.4.2 Maintain existing graffiti control and removal programs.

Timing: O
Responsibility: CM/G

Action LU.1.4.3 Support community policing efforts and encourage neighborhood volunteers to assist with outreach and education through the neighborhood watch program and other community-based activities.

Timing: O
Responsibility: PD, CM/G

Action LU.1.4.4 Maintain the rental inspection program.

Timing: O
Responsibility: CM/G, CD, PD

Action LU.1.5.1 Ensure that Specific Plans are coordinated to preserve and enhance the character and function of the area that includes Old Town Pinole.

Timing: O
Responsibility: CD

Action LU.1.6.1 Currently the Zoning Code identifies ridgelines as:

- Ridgeline, major: A long narrow chain of hills identified in the open space element . . .
- Ridgeline, minor: A short narrow chain of hills which connects to a “major ridgeline” identified in the open space element . . .

Update the Zoning Code to require setbacks from sensitive resources such as ridgelines, riparian areas and identified geologic hazard areas. Such setbacks could include standards similar to the following:

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- Ridgelines: 300 Feet Vertical And 100 Feet Horizontal From The Ridgeline
- Riparian: 50 Feet From The Tree Canopy Or From The Centerline Of The Creekbed If No Canopy Exists

Timing: A

Responsibility: CD

Action LU.1.6.2

Consider assigning lower density/intensity land use designations, such as the Rural Land Use Designation, to properties that are steeply sloped, geologically unstable, or contain other environmental constraints.

Timing: A

Responsibility: CD

Action LU.2.3.1

Consider property annexation where it would:

- Encourage orderly growth and development through logical and timely boundary changes.
- Promote long-term and efficient delivery of local services and the assignment of appropriate local political responsibility for those services.
- Provide for the orderly implementation of the adopted Sphere of Influence.
- Implement the adopted General Plan.
- Result in boundaries that follow existing natural or man-made features such as streams, lakes, natural terrain, railroad tracks and roadways.
- Ensure economically feasible provision of services with available revenues.

Timing: O

Responsibility: CD

Action LU.3.1.1

Develop and adopt design guidelines to preserve, complement and enhance the historic resources in Old Town Pinole.

Timing: A

Responsibility: CD

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- Action LU.3.2.1** Continue to implement the adopted Residential Design Criteria and Guidelines.
- Timing: O**
Responsibility: CD
- Action LU.3.3.1** Develop and adopt Commercial and Industrial Design Review Criteria and Guidelines.
- Timing: A**
Responsibility: CD
- Action LU.3.3.2** Update the Zoning Code to reflect Commercial and Industrial Design Review policies and procedures.
- Timing: A**
Responsibility: CD
- Action LU.3.4.1** Formulate design guidelines that include standards to protect and enhance the historic character and historic buildings of Old Town Pinole.
- Timing: A**
Responsibility: CD
- Action LU.3.4.2** Consider adopting an ordinance to protect significant biological resources, establish an appropriate means of assessing and conserving the resource, and identify methods of mitigating impacts to habitat.
- Timing: A**
Responsibility: CD
- Action LU.4.1.1** Continue to implement the adopted Residential Design Criteria and Guidelines.
- Timing: O**
Responsibility: CD
- Action LU.4.1.2** Adopt appropriate guidelines to ensure that hillside development is sited and designed appropriately to protect visual resources and avoid unnecessary site disturbance and geologic risks.
- Timing: A**
Responsibility: CD

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Action LU.4.2.1 Large undeveloped properties with the Rural Residential land use designation should have a zoning designation allowing no more than 1 unit per 5 acres in order to protect important visual, community and environmental resources.

Timing: O
Responsibility: CD

Action LU.4.3.1 Adopt guidelines to ensure that hillside development is sited and designed to avoid site constraints and natural resources, protect trees and preserve visual resources.

Timing: A
Responsibility: CD

Action LU.4.3.2 Create flexibility in the development standards for environmentally sensitive sites so that development is designed to preserve important resources and avoid potential geologic hazards.

Timing: A
Responsibility: CD

Action LU.4.4.1 Create an inventory of existing parks and underserved neighborhoods.

Timing: A
Responsibility: REC

Action LU.4.4.2 Prepare a park and recreation master plan to serve Pinole neighborhoods.

Timing: A/B
Responsibility: REC

Action LU.4.4.3 Establish a funding mechanism for making park improvements.

Timing: A/B
Responsibility: REC, CM/G

Action LU.5.1.1 Development within the ridgeline resource areas (Figure 5.9) should be sited and designed to preserve visual resources and neighborhood/community separators.

Timing: O
Responsibility: CD

IMPLEMENTATION

Action LU.5.1.2

Large undeveloped properties with the Rural Residential land use designation should have a zoning designation allowing no more than 1 unit per 5 acres in order to protect important visual, community and environmental resources.

- a) Address site development constraints and resources, including archaeological sites, access, riparian protection, tree protection, steep slopes, ridgelines, wetlands, potential geologic hazards, and protection of views and open space resources.
- b) Consider clustering all development in areas that are most geologically stable and accessible.
- c) Protect resources on the site, including the riparian corridors, visible knolls and heavily wooded areas.
- d) Protect drainage channels, the steepest slopes and wildlife corridors (since they provide habitat and trail links), and locate development to minimize crossing drainage areas.
- e) Evaluate the visual impacts of development.

Timing: O

Responsibility: CD

Action LU.5.3.1

Establish a creek protection ordinance to govern land use along Pinole Creek that takes into account resource and flood protection issues. Standards may be different for existing and new development. For the portion of the creek located north of Interstate 80, the protection zone should extend 50 feet outward from the centerline of the creek. For upstream parcels, the City should establish standards that respect existing development patterns, particularly where the creek is located on private property. Within this zone, riparian resource protection, public access and recreational activity should be the primary use.

Timing: A/B

Responsibility: CD, REC, PW

Action LU.5.3.2

In areas where existing development abuts the creek, recreational use and public access adjacent to the resource are appropriate uses and activities. Where undeveloped properties abut the creek, siting and design of facilities should preserve and protect the natural resources, but public access and recreational activity are acceptable.

Timing: O

Responsibility: CD, REC, PW

IMPLEMENTATION

- Action LU.6.1.1** Establish a waterfront planning strategy to coordinate between regulatory agencies, property owners and other stakeholders to maximize recreation, public access and flood protection while ensuring continued water pollution control and creating opportunities for water-dependent uses.
- a) Address site development constraints including noise from the railroad, potential for flooding and requirements for creek setbacks for maintenance and habitat protection.
 - b) Consider improving the appearance of the recreational vehicle storage, in the short term, through the use of screening and landscaping.
 - c) Consider City or Redevelopment Agency assistance in finding alternative sites to relocate the vehicles parked on this site.
 - d) Consider restoring a portion of the site as a wetlands area.
 - e) Consider using this site as a railroad stop for commuter railroad between the Bay Area and Sacramento.
 - f) Consider acquisition of this site for recreational purposes.
 - g) Consider using a portion of this site for part of the Pinole Creek Restoration Project.
 - h) Consider using this site for expansion of the Pinole-Hercules Water Pollution Control Plant.
 - i) Ensure that activities do not create conflicts with natural resources.

Timing: A/B

Responsibility: CD, CM/G

- Action LU.7.2.1** The Pinole Redevelopment Agency should establish a strategy for optimizing agency assets and resources as it approaches the operating limits of the Agency.

Timing: A

Responsibility: CD, CM/G

- Action LU.7.2.2** The City of Pinole should identify projects that respond to community needs and desires and that are supportable by the market, and identify sites that could accommodate such catalytic projects.

IMPLEMENTATION

Timing: O
Responsibility: CD, CM/G

Action LU.7.2.3 The City should create a climate that supports existing businesses and shall periodically conduct a survey of local business needs to understand how that support might be best accomplished.

Timing: O
Responsibility: CM/G, CD

Action LU.7.3.1 Utilize the Three Corridors Specific Plan to identify sites that are appropriate for higher-density residential development and create greater opportunities for the creation of new jobs within mixed-use developments.

Timing: O
Responsibility: CD, CM/G

Action LU.8.1.1 Utilize the Three Corridors Specific Plan to encourage attractive mixed-use development along San Pablo Avenue while retaining Pinole's important view corridors; providing a safe circulation plan that includes traffic calming measures, enhanced transit, bicycle, and pedestrian facilities as well as to encourage sustainable and green building environment.

Timing: A
Responsibility: CD, PW, CM/G

Action LU.8.1.2 Establish and enhance unique San Pablo Avenue regional and neighborhood gateway treatments at the shared boundary with the City of Hercules, at the shared boundary with unincorporated Contra Costa County near Dursey Drive, and at the intersections of San Pablo Avenue and Appian Way, San Pablo Avenue and Tennent Avenue, and San Pablo Avenue and Pinole Valley Road to visually enhance the portion of the corridor within Pinole over time. Based on funding availability and site conditions, decorative gateway features could include signage, enhanced landscaping, decorative paving, decorative lighting, and public art.

Timing: A/B
Responsibility: CD, PW, CM/G

Action LU.8.2.1 Adopt and implement the Three Corridors Specific Plan for the Pinole Valley Road transportation corridor (Action LU.1.1.1) to include design guidelines that are appropriate for this area and still retain Pinole's character; a circulation plan that includes traffic calming measures, transit options, and improved bicycle and pedestrian facilities; and sustainable, green building policies.

IMPLEMENTATION

Timing: A (Adopt), O (Implement)
Responsibility: CD, PW

Action LU.8.2.2 Establish new and enhance existing unique Pinole Valley Road regional and neighborhood gateway treatments at the Interstate 80 interchange, at the intersection with Tennent Avenue and Pinole Creek, and at Simas Avenue to mark major transition points and visually enhance the corridor over time. Based on funding availability and site conditions, decorative gateway features could include circulation upgrades, monument walls, signage, enhanced landscaping, decorative paving, decorative lighting, and additional public art.

Timing: A/B
Responsibility: CD, PW, CM/G

Action LU.8.3.1 Adopt and implement the Three Corridors Specific Plan for the Appian Way transportation corridor (Action LU.1.1.1) to include design guidelines that are appropriate for this area and still retain Pinole's character; a circulation plan that includes traffic calming measures, streetscaping, signage, transit options, and improved bicycle and pedestrian facilities; and sustainable, green building policies.

Timing: A (Adopt), O (Implement)
Responsibility: CD, PW

Action LU.8.3.2 Initiate a study of the market around the Appian Way shopping centers to determine the best way to continue in the future to maximize the economic opportunities in this area.

Timing: A
Responsibility: CD, CM/G

Action LU.8.3.3 Initiate a transit study to determine how best to maximize potential opportunities to improve transit facilities and options in this area.

Timing: A
Responsibility: PW, CM/G, CD

Action LU.8.3.4 Require any new development to provide improved pedestrian facilities and to design their development to be as walkable as possible.

Timing: O
Responsibility: CD, PW

IMPLEMENTATION

Action LU 8.3.5 Develop unique Appian Way regional gateway monuments or design features at the Interstate 80 interchange and at the shared boundary with the El Sobrante unincorporated area as well as the neighborhood gateway at intersection with San Pablo Avenue to make the corridor both more attractive and distinctive for local and regional visitors. Based on funding availability and site conditions, decorative gateway features could include vehicular and pedestrian circulation upgrades, monument walls, signage, enhanced landscaping, decorative paving, decorative lighting, and additional public art.

Timing: A/B

Responsibility: CD, PW, CM/G

CIRCULATION

Action CE.1.1.1 Adopt and implement the Three Corridors Specific Plan.

Timing: A (Adopt), O (Implement)

Responsibility: CD, PW

Action CE.1.1.2 Adopt a Resolution of Support for the designation of Appian Way, San Pablo Avenue and Pinole Valley Road as Preferred Development Areas (PDAs).

Timing: A

Responsibility: CM/G

Action CE.1.1.3 Apply for grants and other funding, as appropriate to implement the PDAs.

Timing: O

Responsibility: CM/G, PW, CD

Action CE.1.2.1 Give priority to projects that will contribute to a reduction in vehicle miles traveled per capita, while maintaining economic vitality and sustainability.

Timing: O

Responsibility: CM/G, CD

Action CE.1.2.2 Require development to provide bus, bicycle, pedestrian and alternative fuel vehicle facilities, as appropriate.

Timing: O

Responsibility: CD, PW

IMPLEMENTATION

- Action CE.1.2.3** Provide safe and convenient access for pedestrians and bicyclists, wherever feasible.
- Timing: O**
Responsibility: PW, CD
- Action CE.1.3.1** Consult with transit providers during review of development proposals.
- Timing: O**
Responsibility: CD
- Action CE.1.3.2** Include facilities that support alternative modes of transportation (pedestrian, bicycles, public transit, electric vehicles, etc.) where feasible.
- Timing: O**
Responsibility: CD, PW
- Action CE.1.4.1** Study the feasibility of increasing public transit frequency in areas currently served, and continue evaluating the possibility of expanding service to areas currently without service.
- Timing: A (Study), O (Evaluate)**
Responsibility: PW, CD
- Action CE.1.4.2** Include links to public transit resources, bike trails maps, pedestrian trails maps and carpool/van pool information on the City's website.
- Timing: A**
Responsibility: CM/G
- Action CE.1.4.3** Pursue extension of rapid bus service to Pinole and enhance transit facilities that serve Pinole users.
- Timing: A (Pursue), O (Enhance)**
Responsibility: PW, CM/G
- Action CE.1.4.4** Support provision of wayfinding signage and markers for transit stops and multi-use trails.
- Timing: O**
Responsibility: PW, REC
- Action CE.1.5.1** Enhance existing and provide additional bus shelters and other amenities that support transit use, where feasible and appropriate.

IMPLEMENTATION

- Timing: O**
Responsibility: PW
- Action CE.1.6.1 Coordinate the integration of local and regional transit with transportation agencies and other jurisdictions.
- Timing: O**
Responsibility: CM/G, PW
- Action CE.1.6.2 Work with WestCAT, AC Transit and other transit providers to support expanded transit lines and increased frequency of service on major transit arterials.
- Timing: O**
Responsibility: CM/G, PW
- Action CE.2.1.1 Work with local and regional jurisdictions in the preparation of regional and State-mandated regional plans.
- Timing: O**
Responsibility: CM/G, CD, PW
- Action CE.2.1.2 Work with WCCTAC to develop and update the Action Plan for Routes of Regional Significance, to establish Multimodal Transportation Service Objectives (MTSOs), and to coordinate planning for projects and programs of regional importance.
- Timing: A**
Responsibility: CM/G, PW, CD
- Action CE.2.1.3 Work with emergency service providers to ensure the transportation system facilitates efficient service delivery and protects public safety.
- Timing: A**
Responsibility: FD, CM/G
- Action CE.2.2.1 Work with Caltrans and adjacent jurisdictions to improve the operational performance of I-80 and local transit corridors designated Priority Development Areas (San Pablo Avenue, Appian Way and Pinole Valley Road).
- Timing: O**
Responsibility: PW, CD
- Action CE.2.2.2 Work with Caltrans in analyzing the performance of freeway interchanges located in the General Plan area and seek appropriate improvements.

IMPLEMENTATION

- Timing: O**
Responsibility: PW, CM/G, CD
- Action CE.2.2.3 Improve the principal arterial gateways to Pinole to facilitate the movement of traffic flowing into and out of the city.
- Timing: A/B**
Responsibility: PW
- Action CE.3.1.1 Work with WCCTAC and CCTA to revise the Action Plan level of service standard for San Pablo Avenue within Old Town to LOS F.
- Timing: A/B**
Responsibility: PW, CD
- Action CE.3.1.2 Project applicants shall provide a traffic study forecasting traffic impacts, identifying deficient roadways and intersections, and providing an implementation plan for needed improvements to the satisfaction of the Public Works Director/City Engineer.
- Timing: O**
Responsibility: PW, CD
- Action CE.3.1.3 The City shall develop a Roadway/Trail Master Plan to improve the sidewalk, bike trail, pedestrian trail and roadway system, as necessary for buildout of the General Plan.
- Timing: A/B**
Responsibility: PW, CD, REC
- Action CE.3.3.1 Establish a mechanism for collecting appropriate fees from development projects that will offset negative impacts on LOS thresholds.
- Timing: A**
Responsibility: PW, CM/G, CD
- Action CE.3.3.2 Adopt traffic impact fees that are based upon peak hour trip generation.
- Timing: A**
Responsibility: PW, CM/G, CD
- Action CE.3.4.1 Construct necessary improvements to intersections to ensure that the applicable levels of service mentioned in Policy CE.3.1 are achieved.
- Timing: O**
Responsibility: PW

IMPLEMENTATION

ACTION CE.4.3.1 Study multimodal impact fees to determine an appropriate amount and means of assessing them.

Timing: A

Responsibility: PW, CM/G, CD

Action CE.4.4.1 Before funding transportation improvements that increase roadway capacity and vehicle miles traveled, the City will evaluate the feasibility and effectiveness of funding projects that support alternative modes of transportation and reduced vehicle miles traveled, including transit and bicycle and pedestrian access.

Timing: O

Responsibility: PW, CD

Action CE.4.4.2 Roadways experiencing or forecast to experience worse than applicable level of service conditions (unstable or forced traffic flows) shall be improved, unless economic conditions, community character issues or public health, safety or welfare factors are such that needed improvements would be detrimental to other City goals and objectives.

Timing: O

Responsibility: PW, CD

Action CE.5.1.1 Continue to encourage shared parking facilities for both private businesses and public agencies.

Timing: O

Responsibility: CD, PW, CM/G

Action CE.5.1.2 Continue to maintain the Old Town parking district as described in **Figure 7.5**.

Timing: O

Responsibility: CD

Action CE.5.2.1 Consider as needed the use of timed/metered parking to discourage long-term parking in Old Town, provided resources are available for enforcement.

Timing: A

Responsibility: CM/G, PD

Action CE.5.4.1 Allow reduction of minimum on-site parking requirements for development that includes exceptional features that support multiple modes of transportation.

IMPLEMENTATION

- Timing: O**
Responsibility: CD
- Action CE.5.4.2 Encourage shared parking programs in mixed-use and transit-oriented development areas.
- Timing: O**
Responsibility: CD
- Action CE.6.1.1 Designate a certain percentage of parking spaces for ride-sharing vehicles.
- Timing: O**
Responsibility: CD
- Action CE.6.1.2 Require the development of Transportation Management Associations (TMA) for large employers and commercial/industrial complexes. These TMAs would develop plans to encourage their employees to use some form of collective transportation to commute to and from work. These plans should not only include information regarding rideshare lists and available transit, but may also include provision of transit passes, preferential parking and other incentives to participating employees.
- Timing: O**
Responsibility: CD, PW
- Action CE.6.2.1 Coordinate with ride-sharing programs to provide up-to-date lists of potential riders and to educate the public on commuting options.
- Timing: O**
Responsibility: CM/G
- Action CE.6.2.2 Encourage the development of employer-funded vanpool and shuttle bus services to new employment centers.
- Timing: O**
Responsibility: CM/G, CD
- Action CE.6.2.3 Encourage employer provision of information on alternative modes of transit.
- Timing: O**
Responsibility: CM/G
- Action CE.6.2.4 Encourage employers to offer flextime arrangements to their employees in order to reduce the percentage of trips made during peak hours.

IMPLEMENTATION

- Timing: O**
Responsibility: CM/G
- Action CE.6.2.5 Work with schools to encourage carpooling and a flexible class schedule in order to reduce the percentage of trips made during peak hours.
- Timing: O**
Responsibility: CM/G
- Action CE.6.2.6 Establish and apply minimum carpool requirements for all nonresidential developments.
- Timing: A (Establish), O (Apply)**
Responsibility: CD
- Action CE.6.3.1 Encourage and utilize shuttles to serve neighborhoods, employment centers and major destinations.
- Timing: O**
Responsibility: PW, CM/G
- Action CE.6.3.2 Work with existing shuttle service providers to coordinate their services with other forms of transit, special events and work centers.
- Timing: O**
Responsibility: PW, CM/G
- Action CE.6.3.3 Encourage home offices, live/work sites and satellite work centers in appropriate locations.
- Timing: O**
Responsibility: CM/G, CD
- Action CE.6.3.4 Encourage telecommuting options through public outreach and with new and existing employers, as appropriate.
- Timing: O**
Responsibility: CM/G
- Action CE.6.3.5 Explore the potential for creation of a transportation assessment district to help fund transportation improvements and repairs throughout the city.
- Timing: A/B**
Responsibility: CM/G, PW

IMPLEMENTATION

- Action CE.6.3.6** Explore the creation of a network of park-and-ride facilities to support and encourage the use of regional transit.
- Timing: A/B**
Responsibility: CM/G, PW, CD
- Action CE.6.3.7** Identify and correct gaps in the pedestrian travel network, whenever feasible.
- Timing: O**
Responsibility: PW, CD
- Action CE.7.1.1** Develop street design and bikeway design standards to address all street users, autos, public transit, bicycles and pedestrians of all ages and abilities.
- Timing: A**
Responsibility: PW, CD
- Action CE.7.1.2** Prepare and regularly update a Pinole bikeways map and make it available on the City's website.
- Timing: A (Prepare), O (Update)**
Responsibility: REC, PW, CM/G
- Action CE.7.1.3** Provide safe access to public transportation and other non-motorized uses through construction of dedicated bicycle paths.
- Timing: O**
Responsibility: PW, REC, CM/G
- Action CE.7.2.1** Establish engineering standards for pedestrian and bicycle facilities.
- Timing: A**
Responsibility: PW
- Action CE.7.2.2** Require provision of adequate, convenient and secure bike parking in conjunction with private development.
- Timing: O**
Responsibility: CD
- Action CE.7.2.3** Provide public bike parking as funding is available.
- Timing: O**
Responsibility: PW, CM/G

IMPLEMENTATION

- Action CE.7.2.4** Require projects to include bicycle facilities, as appropriate.
- Timing: O**
Responsibility: CD, PW
- Action CE.7.3.1** Where feasible, provide bike racks along these trails at safe, lighted locations.
- Timing: O**
Responsibility: REC, PW
- Action CE.7.3.2** Pursue enhanced funding for bicycle and pedestrian facilities and access projects.
- Timing: O**
Responsibility: PW, CM/G
- Action CE.7.3.3** Adopt bicycle parking standards that encourage and facilitate bicycle travel.
- Timing: A**
Responsibility: PW
- Action CE.7.3.4** Minimize bicycle/pedestrian/motor vehicle conflicts by providing proper trail, street and intersection design and separation.
- Timing: O**
Responsibility: PW, CD
- Action CE.7.4.1** Assist in the development and dissemination of public education programs to promote bicycle safety.
- Timing: O**
Responsibility: PW, CM/G
- Action CE.8.1.1** As feasible, ensure that all intersections in areas with pedestrian usage are signalized with curb ramps, bulbouts, high-contrast crosswalks and pedestrian actuation, and other safety measures.
- Timing: O**
Responsibility: PW
- Action CE.8.1.2** Where feasible, use landscaping or physical barriers on high-capacity arterials to separate vehicles and pedestrians.

IMPLEMENTATION

Timing: O
Responsibility: PW

Action CE.8.3.1 In conjunction with the public school system and other appropriate public facilities and programs, assist in developing public education programs to promote pedestrian safety.

Timing: O
Responsibility: PW, CM/G

Action CE.8.3.2 Ensure that all intersections near schools are signalized with curb ramps, high-contrast crosswalks and pedestrian actuation, where feasible.

Timing: O
Responsibility: PW

Action CE.8.3.3 Actively support the Safe Routes to Schools program, including making use of available funding and technical assistance.

Timing: O
Responsibility: CM/G, PW, CD

Action CE.8.4.1 Use strategic planning to establish land use patterns that encourage mixed-use, walkable development.

Timing: O
Responsibility: CD

COMMUNITY SERVICES AND FACILITIES

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

Timing: O
Responsibility: PD, FD

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.

Timing: A/B (Develop), O (Implement)
Responsibility: PW, PD, FD

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.

IMPLEMENTATION

- Timing: A/B**
Responsibility: CM/G, PW
- Action CS.1.1.4 The City shall increase the energy efficiency and hazard resistance of public buildings.
- Timing: O**
Responsibility: PW, CM/G
- Action CS.1.3.1 Explore the possibility of providing mobile City services and satellite offices.
- Timing: A/B**
Responsibility: CM/G, PW
- Action CS.1.3.2 Explore the possibility of developing a community shuttle service that would transport community members to and from City facilities.
- Timing: A/B**
Responsibility: CM/G, PW
- 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.
- Timing: O**
Responsibility: PW
- Action CS.1.3.4 The City shall periodically prepare and update the Recreation Park and Facility Master Plan to monitor the condition of recreation facilities and to ensure community needs are adequately addressed.
- Timing: A/B**
Responsibility: REC
- 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.
- Timing: O**
Responsibility: PD, CD
- 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.

IMPLEMENTATION

- Timing: A**
Responsibility: PW, CM/G, CD
- Action CS.2.1.1 Explore alternative funding options to increase police services to the community.
- Timing: O**
Responsibility: CM/G, PD
- 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.
- Timing: O**
Responsibility: PD, CM/G
- 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.
- Timing: O**
Responsibility: PD, CM/G
- Action CS.2.2.3 Work with law enforcement agencies and community groups to promote cleanup, graffiti removal and other neighborhood beautification efforts.
- Timing: O**
Responsibility: PD, CM/G
- 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.
- Timing: O**
Responsibility: FD, CM/G
- Action CS.2.3.2 Explore organizational and facility changes that could support the continuation of services in a more cost-effective manner.
- Timing: A**
Responsibility: FD, CM/G
- 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.

IMPLEMENTATION

Timing: O
Responsibility: FD, CM/G, PW

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

Timing: O
Responsibility: FD, CM/G

Action CS.2.3.5 The Fire Department will strive to provide on-scene response to emergency incidents in the city within 5 minutes 95% of the time.

Timing: O
Responsibility: FD, CM/G

ACTION CS.2.3.6 The City will develop a Fire Safety Operations Assessment that identifies and compares different approaches to the provision of emergency services and identifies needed facilities and an appropriate organizational structure to provide cost-effective fire and emergency medical services.

Timing: A
Responsibility: FD, CM/G

Action CS.2.3.7 In order to continue to provide fire service, the City shall solidify funding for fire services by seeking an extension of the City's Utility Tax. If the City's Utility Tax is not renewed, alternative funding sources shall be researched to ensure adequate funding for City fire services.

Timing: O
Responsibility: FD, CM/G

Action CS.2.4.1 Examine alternative open space ownership structures that could reduce the City's fire safety maintenance obligations.

Timing: A/B
Responsibility: FD, CM/G

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.

Timing: A
Responsibility: FD, CM/G

IMPLEMENTATION

- Action CS.2.5.1** 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.
- Timing: O**
Responsibility: PD, FD, CM/G
- Action CS.2.5.2** Establish educational materials and offer seminars in schools and other civic and neighborhood locations to teach citizens how to prepare for emergencies.
- Timing: A (Establish), O (Offer)**
Responsibility: PD, FD, CM/G
- Action CS.2.5.3** 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.
- Timing: A**
Responsibility: PD, FD, CM/G
- Action CS.2.5.4** 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.
- Timing: O**
Responsibility: PW, PD, FD
- Action CS.2.5.5** 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.
- Timing: A/B**
Responsibility: PD, FD, CM/G, CD
- Action CS.2.5.6** The City will continue to work with regional partners on the development and implementation of and necessary updates to a hazard mitigation plan to help protect the public in the event of likely natural and man-made hazard events.
- Timing: O**
Responsibility: FD, CD, PW, CM/G

IMPLEMENTATION

Action CS.2.6.1 Prepare an inventory of the Corporation Yard facility and service needs and identify alternative locations for housing the Corporation Yard.

Timing: A/B

Responsibility: PW, CM/G, CD

Action CS.2.6.2 Make needed improvements to the Public Safety Building as funds become available. Improvements include, but are not limited to, security upgrades, expansion of the Property/Evidence Room, and expansion of, and reconfigured access to, the secure parking area.

Timing: A/B

Responsibility: PW, CM/G, PD

Action CS.2.6.3 Upgrade the Emergency Operations Center (EOC) to maintain a state of readiness, which may require setting aside dedicated space for the EOC.

Timing: A/B

Responsibility: PW, PD, CM/G

Action CS.2.6.4 The City will create an ongoing maintenance fund for all public facilities with a focus on preventative maintenance to reduce long-term costs.

Timing: A/B

Responsibility: CM/G

Action CS.3.1.1 The City will utilize the Recreation Park and Facility Master Plan to identify areas that are underserved by recreation facilities and identify opportunity sites that may satisfy existing and projected park and recreation needs.

Timing: O

Responsibility: REC, PW

Action CS.3.1.2 The City will work with community organizations, nonprofit 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.

Timing: O

Responsibility: REC

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.

IMPLEMENTATION

- Timing: O**
Responsibility: CD, CM/G
- Action CS.3.2.1 Utilize Pinole's website and e-mail blasts to inform the public on community opportunities to use Pinole's recreation options.
- Timing: O**
Responsibility: REC, CM/G
- 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 combine with utilization of Pinole's recreation options.
- Timing: O**
Responsibility: REC
- Action CS.3.3.1 Complete a map of Pinole's trail system and offer copies to the community.
- Timing: A**
Responsibility: REC
- Action CS.3.3.2 Develop and implement a plan to close the gap in the Bay Trail along Pinole's shoreline.
- Timing: A/B**
Responsibility: REC, CD, PW
- Action CS.3.3.3 Participate in the San Francisco Bay Area Water Trail.
- Timing: O**
Responsibility: REC, CD, CM/G, PW
- Action CS.3.3.4 Implement the trail improvements identified in the Pinole Creek Greenway Master Plan.
- Timing: A/B**
Responsibility: REC, PW, CD
- Action CS.3.3.5 Work with the East Bay Regional Parks District to extend trail connections from San Pablo Bay to southern ridgelines in and adjacent to Pinole.
- Timing: O**
Responsibility: REC, PW, CD

IMPLEMENTATION

- Action CS.3.3.6** Explore alternative funding options to acquire land to expand Pinole’s trail system.
- Timing: O**
Responsibility: REC, CM/G, PW
- Action CS.3.3.7** Where possible, secure rights to public access and incorporate trail improvements in development proposals.
- Timing: O**
Responsibility: CD, REC
- Action CS.3.4.1** Prepare and implement a Recreation Facility Master Plan to ensure that the amount of available recreation space is adequate to meet ongoing recreation service needs over time.
- Timing: O**
Responsibility: REC, PW, CD
- 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.
- Timing: O**
Responsibility: REC, CD, PW
- 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.
- Timing: O**
Responsibility: CD, REC
- Action CS.3.4.4** Consider allowing incentives such as density bonuses for development projects that provide parks and/or recreational open space.
- Timing: O**
Responsibility: CD, REC, CM/G
- Action CS.3.4.5** Implement a program to acquire recreational open space areas and permanently protect the land from other future development.
- Timing: A/B**
Responsibility: REC, CM/G

IMPLEMENTATION

- Action CS.3.4.6** Utilize community facilities districts, Mello-Roos and/or lighting districts to provide funding for ongoing maintenance and operation of parks and recreation facilities.
- Timing: O**
Responsibility: REC, CM/G
- Action CS.3.4.7** The City shall seek out opportunities to work with other government agencies, local land trusts, and other stakeholder groups and organizations to expand park and recreation opportunities within or in close proximity to Pinole.
- Timing: O**
Responsibility: REC, CM/G, CD, PW
- 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.
- Timing: O**
Responsibility: REC, PW, CM/G, CD
- Action CS.4.3.2** The City shall work with the West Contra Costa Unified School District and private education providers to maximize transportation options to and from schools that reduce greenhouse gas emissions and ensure safe routes to schools for all students.
- Timing: O**
Responsibility: CM/G, PW, CD
- Action CS.4.5.1** Provide optimum daily access to library services.
- Timing: O**
Responsibility: CM/G
- Action CS.4.5.2** Provide quality library services in a cost-effective manner.
- Timing: O**
Responsibility: CM/G
- Action CS.4.5.3** Examine options for grants and other alternative funding to increase library services.
- Timing: O**
Responsibility: CM/G

IMPLEMENTATION

- Action CS.4.5.4** Encourage community groups and organizations to interact and include library services in their programs.
- Timing: O**
Responsibility: CM/G, REC
- Action CS.4.5.5** Use technology to optimize the development and delivery of library resources and services.
- Timing: O**
Responsibility: CM/G
- Action CS.4.5.6** Continue to provide a strong central library with extension services and facilities for people who do not have reasonable access to the main library.
- Timing: O**
Responsibility: CM/G
- Action CS.4.5.7** Cooperate with other public and private agencies to improve library services.
- Timing: O**
Responsibility: CM/G
- Action CS.4.5.8** Assist the County and library with exploring alternative sites for the library in Pinole.
- Timing: O**
Responsibility: CM/G
- Action CS.5.2.1** The City shall investigate establishing new guidelines requiring water use restrictions for irrigation systems and use of drought-resistant and native plants in landscaping.
- Timing: A/B**
Responsibility: CD, PW
- Action CS.6.1.1** The City shall ensure that all parts of the wastewater collection system are maintained in adequately safe condition.
- Timing: O**
Responsibility: PW

IMPLEMENTATION

- 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.
- Timing: O**
Responsibility: PW
- Action CS.6.1.3** The City will continue to implement a program to inspect and repair the City's sewer collection system to reduce both infiltration and inflow.
- Timing: O**
Responsibility: PW
- Action CS.6.1.4** 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.
- Timing: O**
Responsibility: PW
- 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.
- Timing: O**
Responsibility: PW, CD
- Action CS.6.2.2** The City will strive to prepare a capital replacement plant management report and update as needed to implement Goal CS.6.
- Timing: O**
Responsibility: CM/G, PW
- Action CS.6.2.3** The City will strive to 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.
- Timing: O**
Responsibility: CM/G, PW
- Action CS.6.5.1** The City will strive to minimize the use of hypochlorite in the treatment of wastewater and explore other feasible treatment options.
- Timing: O**
Responsibility: PW

IMPLEMENTATION

- 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.
- Timing: O**
Responsibility: PW
- 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.
- Timing: O**
Responsibility: PW, CM/G
- Action CS.8.1.1** Continue to work with the West Contra Costa Integrated Waste Management Authority in order to meet or exceed the waste diversion requirements from AB 939 or subsequent legislation to reduce waste entering the landfill by increasing the diversion rate.
- Timing: O**
Responsibility: PW
- 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.
- Timing: O**
Responsibility: CM/G, PW
- Action CS.8.1.3** New construction sites, as required by State Law, shall provide for the salvage, reuse or recycling of construction and demolition materials.
- Timing: O**
Responsibility: CD, PW
- Action CS.8.1.4** Public buildings will incorporate on-site storage facilities for recycled materials.
- Timing: O**
Responsibility: PW
- 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.

IMPLEMENTATION

- Timing: O**
Responsibility: PW, CM/G, REC
- 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.
- Timing: A**
Responsibility: PW, CM/G, REC
- Action CS.8.2.3 Continue community-wide efforts, such as the regular area swap meets, to minimize waste.
- Timing: O**
Responsibility: CM/G
- 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.
- Timing: O**
Responsibility: PW (City buildings), CD (Private development)
- Action CS.9.1.2 Continue efforts to convert public buildings to solar power wherever possible.
- Timing: O**
Responsibility: PW, CM/G
- 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.
- Timing: O**
Responsibility: PW, CM/G, PD, FD
- Action CS.10.1.1 The City will continue to actively participate on the West Contra Costa Transportation Advisory Committee (WCCTAC).
- Timing: O**
Responsibility: PW, CM/G
- 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.
- Timing: O**
Responsibility: PW, CM/G

IMPLEMENTATION

- Action CS.10.2.1** The City will continue to update the pavement management program to ensure roadway infrastructure is adequately maintained.
- Timing: O**
Responsibility: PW
- Action CS.10.2.2** The City will prepare a citywide sidewalk conditions inventory and incorporate necessary improvements in the Capital Improvement Program to ensure safe pedestrian access throughout the community.
- Timing: A/B**
Responsibility: PW, CM/G
- 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.
- Timing: O**
Responsibility: PW
- Action CS.11.1.1** The City will utilize public access television to regularly share information and broadcast important City events.
- Timing: O**
Responsibility: CM/G, REC
- Action CS.11.2.1** The City will maintain an easily navigable website and post useful information about available City services, events and programs.
- Timing: O**
Responsibility: CM/G
- Action CS.11.2.2** The City will make strategic equipment purchases to keep pace with evolving technology and ensure efficient, accessible communication.
- Timing: O**
Responsibility: CM/G
- 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.
- Timing: O**
Responsibility: CM/G

IMPLEMENTATION

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.

Timing: O

Responsibility: CM/G

Action CS.11.4.1 The City will seek improved information management and communications technologies to improve service delivery and conserve financial resources.

Timing: O

Responsibility: CM/G

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.

Timing: A/B

Responsibility: CD, CM/G

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.

Timing: O

Responsibility: CM/G

HEALTH AND SAFETY

Action HS.1.1.1 Maintain detailed hazard maps for use in development review.

Timing: O

Responsibility: CD, PW, PD, FD

Action HS.1.1.2 Maintain and implement the Emergency Operations Plan (EOP), including necessary training, emergency preparedness drills and community education.

Timing: O

Responsibility: PD, FD, CM/G

Action HS.1.1.3 Adopt a Very High Fire Hazard Severity Zone (VHFHSZ) ordinance to implement regulations.

Timing: A

Responsibility: FD, CM/G

IMPLEMENTATION

Action HS.1.1.4 Apply Crime Prevention Through Environmental Design (CPTED) principles when planning for public and private improvements.

Timing: O
Responsibility: PD, CD

Action HS.1.1.5 Maintain and expand where feasible the network of surveillance cameras in the community to discourage and help investigate criminal activity based on Police Department advice and experience.

Timing: O
Responsibility: PD, PW, CM/G

Action HS.1.2.1 Regulate new pipeline development through the Use Permit process. Require new development to screen, protect or underground all utilities and provide underground connections to improve public safety as well as the city's appearance.

Timing: O
Responsibility: CD

Action HS.1.2.2 Evaluate ongoing fire protection and emergency medical service delivery in the community, and identify sites for potential relocation of existing fire stations on the General Plan Land Use Map to improve service coverage and decrease response times.

Timing: O
Responsibility: FD, PD, CM/G

Action HS.2.1.1 Work with creek restoration stakeholders to implement the Pinole Creek Vision Plan and Greenway Master Plan during review of specific development proposals.

Timing: O
Responsibility: CD

Action HS.2.1.2 Continue to seek funding to implement the Pinole Creek Vision Plan, Greenway Master Plan, and Restoration Project.

Timing: O
Responsibility: CM/G, CD, PW

Action HS.2.1.3 Establish land use controls for properties that abut Pinole Creek in order to minimize potential conflicts between flood, resource protection and recreational goals. This action could be accomplished by adopting a creek ordinance.

IMPLEMENTATION

- Timing: A/B**
Responsibility: CD, PW
- Action HS.2.2.1 Establish a land use designation for land to be set aside for detention basin purposes and seek out opportunities to establish detention basins to better protect the community from flooding hazards.
- Timing: A/B**
Responsibility: CD, PW
- Action HS.2.4.1 Create a long-range plan to govern the San Pablo Bay waterfront and any other areas that may be impacted by changes in sea level.
- Timing: A/B**
Responsibility: CD, CM/G, PW
- Action HS.2.5.1 Require project applicants to investigate and report on project impacts on stormwater runoff and the wastewater treatment plant and ensure that project-specific impacts are mitigated.
- Timing: O**
Responsibility: CD, PW, S
- Action HS.2.5.2 Seek funding to upgrade facilities to reduce inflow and infiltration and treat runoff.
- Timing: O**
Responsibility: PW, CM/G
- Action HS.3.1.1 Continually update the geologic hazard map with new information provided by geotechnical studies.
- Timing: O**
Responsibility: CD, PW
- Action HS.3.4.1 Update the Building Code and other codes as necessary to address earthquake, fire and other hazards, and support programs for the identification, abatement or mitigation of existing hazardous structures.
- Timing: O**
Responsibility: CD, FD
- Action HS.3.4.2 Implement actions to address safety issues related to unreinforced masonry buildings in coordination with historic preservation policies and programs.

IMPLEMENTATION

- Timing: O**
Responsibility: CD
- Action HS.3.4.3** Ensure that sites in Pinole which are contaminated with hazardous substances are cleaned through decontamination of soils, treatment, and filtration of groundwater.
- Timing: O**
Responsibility: PW, S, CM/G
- Action HS.3.5.1** Work with Contra Costa County and other regional partners to implement the County Hazardous Waste Management Plan and notify the public about locations and opportunities to properly dispose of household hazardous materials.
- Timing: O**
Responsibility: CM/G, PW
- Action HS.3.5.2** Use the Conditional Use Permit and Encroachment Permit process to ensure pipeline safety when construction occurs. New developments should screen, protect or underground all gas, electric and communication lines, screen facilities (e.g., transformers) as safety and conditions require, and provide underground connections when feasible, to improve public safety and the city's appearance.
- Timing: O**
Responsibility: PW
- Action HS.3.5.3** A comprehensive investigation of hazardous materials storage tanks should be undertaken for specific sites when development is proposed. The potential hazard of any tanks or former tank sites found should then be evaluated using California EPA and local regulatory guidelines, and sites shall be remediated as needed.
- Timing: O**
Responsibility: CD
- Action HS.3.5.4** At the time of new development, any known or discovered hazardous material should be cleaned up and any impacts mitigated as required by the governing law.
- Timing: O**
Responsibility: CD

IMPLEMENTATION

- Action HS.3.7.1** Consider adoption of a habitat protection ordinance that would identify and protect areas of biological value, including streams, creeks and wetlands. The ordinance would include setbacks from creeks, guidelines for avoidance of filling of creeks or wetlands and destruction of riparian vegetation, standards for compensation of habitat loss (as established by City of Pinole General Plan (1995) Open Space and Environmental Protection 7-9), and requirements for mitigation, monitoring and habitat enhancement plans. The ordinance would also cover implementation and enforcement of specific criteria to ensure that safety, natural resources and aesthetic values of Pinole Creek, other creeks and major drainages are protected and enhanced.
- Timing: A/B**
Responsibility: CD, PD, CM/G
- Action HS.3.7.2** Establish riparian and stream restoration programs that include stormwater treatment, erosion control measures, stream cleanup projects and revegetation plans for denuded areas. These programs may also result in the removal of invasive, non-native vegetation that would be replaced with native plant materials to stabilize slopes and enhance wildlife habitat.
- Timing: O**
Responsibility: PW, CM/G, CD, REC
- Action HS.4.1.1** Maintain and implement the Emergency Operations Plan (EOP), including periodic training exercises.
- Timing: O**
Responsibility: PD, FD, CM/G
- Action HS.4.1.2** Continue working with Contra Costa County and other concerned agencies to adopt a regional Emergency Response Plan (ERP).
- Timing: O**
Responsibility: PD, FD, CM/G
- Action HS.4.1.3** The City Fire Department staff shall review newly proposed or modified roadway designs (e.g., median modifications and speed humps) to ensure that they do not significantly impair movement of emergency vehicles and equipment.
- Timing: O**
Responsibility: CD, PD, FD, PW

IMPLEMENTATION

Action HS.4.1.4 Locate and design emergency buildings and vital utilities, communication systems and other public facilities so that they remain operational during and after an emergency or disaster.

Timing: O

Responsibility: PW, CM/G, FD, PD, REC, CD

Action HS.4.1.5 Establish an emergency warning/notification system in Pinole to notify the public during a natural or man-made disaster. Provide a public communication system to help advise the public about how best to respond during the recovery phase of a disaster and notify the community when safety has been restored.

Timing: A/B

Responsibility: CM/G, PD, FD

Action HS.4.1.6 The City shall increase the number of individuals that receive Citizen Emergency Response Training to increase emergency preparedness within the city and encourage greater self-reliance during and after a natural or man-made hazard event.

Timing: O

Responsibility: CD

Action HS.4.2.1 Publicize disaster plans and promote resident awareness and caution regarding hazards, including soil instability, earthquakes, flooding and fire. Maintain detailed hazard maps for use in development review.

Timing: O

Responsibility: CM/G, CD

Action HS.4.2.2 Develop and adopt a pre-disaster ordinance for post-disaster recovery and reconstruction that includes provisions for debris clearance, damage assessment, demolitions, re-occupancy and building moratorium criteria, fee waivers and deferrals, and expedited permitting procedures for repair and reconstruction.

Timing: A/B

Responsibility: PD, FD, CM/G

Action HS.4.2.3 Coordinate with local, regional, state and federal agencies regarding a potential rise in sea level.

Timing: A/B

Responsibility: CD, CM/G

IMPLEMENTATION

Action HS.4.3.1 Develop a fiber optic network plan that can provide visual access for emergency services providers and assist with crime prevention and the monitoring of critical public facilities (e.g., storm drain and flood protection facilities).

Timing: A/B

Responsibility: CD, CM/G, PW, PD

Action HS.4.3.2 Incorporate necessary improvements into new and substantially remodeled structures to ensure that emergency service providers are able to transmit and receive radio communications within structures.

Timing: O

Responsibility: CD, PD, FD

Action HS.5.1.1 Support the location of ancillary employee services, including child care, restaurants, banking facilities and convenience markets, at major employment centers for the purpose of reducing mid-day vehicle trips.

Timing: O

Responsibility: CD

Action HS.5.2.1 Encourage compact, transit-oriented development within one-quarter to one-half mile of transit stations and transit service stops along transit corridors.

Timing: O

Responsibility: CD, CM/G

Action HS.5.2.2 Continue to work with transportation and transit agencies and organizations to improve transit service and encourage increased ridership.

Timing: O

Responsibility: PW, CM/G

Action HS.5.2.3 Adopt and implement the Three Corridors Specific Plan for commercial corridors along San Pablo Avenue, Pinole Valley Road and Appian Way, establishing mixed-use development land use designations and design guidelines that encourage walkable communities, improved bicycle facilities and improved public transit facilities.

Timing: A

Responsibility: CD

IMPLEMENTATION

- Action HS.5.3.1** Change zoning and land use policies to limit land use conflicts between residential areas and sources of diesel pollution.
- Timing: O**
Responsibility: CD
- Action HS.5.3.2** Reduce pollution from construction equipment.
- Timing: O**
Responsibility: CD, PW
- Action HS.5.3.3** Work with federal, state and local agencies coordinate decisions that respect each agency's goals.
- Timing: O**
Responsibility: CM/G
- Action HS.5.3.4** Evaluate creation of an environmental justice ordinance and ensure community outreach to incorporate environmental justice principles into new project development review.
- Timing: A**
Responsibility: CM/G, CD
- Action HS.5.3.5** Adopt a green building ordinance to reduce construction waste, improve water conservation and reduce reliance on nonrenewable resources. This ordinance should identify practices that can be employed in the design, construction and operation of projects that will protect air and water quality in Pinole.
- Timing: A/B**
Responsibility: CD
- Action HS.6.1.1** Include street design features that facilitate biking and walking trips in both new and established areas.
- Timing: O**
Responsibility: PW, CD
- Action HS.6.1.2** Require all new development to be designed to enable easy pedestrian and bicycle access and circulation.
- Timing: O**
Responsibility: CD, PW

IMPLEMENTATION

Action HS.6.2.1 Create partnerships of community groups, businesses and agencies to develop strategies to reduce air and water pollution.

Timing: O

Responsibility: CM/G

Action HS.6.2.2 The City of Pinole should create a model for other large employers in the city that makes use of programs to reduce single-occupant vehicle trips, support the use of alternative fuels and encourage alternative modes of transportation. Such programs could include:

- Creating rideshare/carpooling incentives for employees who commute together.
- Replacing City-owned vehicles with alternative fuel vehicles.
- Ensuring that necessary infrastructure is in place (e.g., showers, bike racks, shared automobile leasing stations) and available to employees and visitors who rely on such facilities to support alternative modes of transportation.

Timing: O

Responsibility: CM/G, PW

Action HS.6.2.3 Perform additional outdoor air monitoring and enforce mandated truck and bus routes.

Timing: O

Responsibility: CM/G

Action HS.6.2.4 Wherever possible, use low impact design (LID), green barriers and sound barriers to reduce sound impacts and greenhouse gas emissions, and require on-site stormwater pretreatment. In particular, all new development in close proximity to Interstate 80 and Pinole Creek should include a landscape buffer between Interstate 80 and development areas to improve air quality.

Timing: O

Responsibility: CD, PW

Action HS.7.1.1 Enforce the National Pollution Discharge Elimination System (NPDES) permit regulations.

Timing: O

Responsibility: PW, CD

IMPLEMENTATION

- Action HS.7.1.2** Prohibit development in areas that are particularly susceptible to erosion and sediment loss.
- Timing: O**
Responsibility: CD
- Action HS.7.1.3** Provide public information about water quality and best management practices.
- Timing: O**
Responsibility: CM/G, S, PW
- Action HS.7.1.4** Implement the Stormwater Management Plan.
- Timing: O**
Responsibility: PW
- Action HS.7.2.1** Ensure that impervious surfaces created in new development and redevelopment is designed to optimize infiltration.
- Timing: O**
Responsibility: CD
- Action HS.7.2.2** Minimize or eliminate direct connections between impervious surfaces and storm drains.
- Timing: O**
Responsibility: CD, PW
- Action HS.7.3.1** Provide regular maintenance and monitoring of stormwater collection and treatment facilities to ensure that they are operating effectively.
- Timing:**
Responsibility:
- Action HS.7.3.2** Regularly inspect commercial, industrial and public facilities to ensure proper connections to the sanitary system and avoid illicit discharge.
- Timing: O**
Responsibility: PW
- Action HS.7.4.1** Limit disturbance of natural water bodies and drainage systems to only those activities related to public recreation and circulation or to activities designed to enhance environmental conditions.

IMPLEMENTATION

- Timing: O**
Responsibility: REC, PW, CD
- Action HS.7.4.2 Participate in local and regional restoration projects to improve water quality in the watersheds.
- Timing: O**
Responsibility: CD, PW, CM/G
- Action HS.7.5.1 Apply best management practices to sanitary sewer system discharges.
- Timing: O**
Responsibility: PW
- Action HS.7.5.2 Establish protocol for reducing the use of pesticides in City parks and other public spaces maintained by the City.
- Timing: A**
Responsibility: REC, PW
- Action HS.7.6.1 Require project applicants to investigate and report on project impacts on the wastewater treatment plant and assure that the project mitigates for any impacts.
- Timing: O**
Responsibility: CD, S
- Action HS.7.6.2 Seek funding to upgrade facilities in order to reduce inflow and infiltration.
- Timing: O**
Responsibility: CM/G, S
- Action HS.7.6.3 Establish a sewer lateral rehabilitation program that requires property owners to inspect and rehabilitate sewer laterals at the time property is sold.
- Timing: O**
Responsibility: PW, CM/G
- Action HS.8.1.1 Adopt a noise ordinance with noise level performance standards, including maximum allowable noise exposure, ambient versus nuisance noise, method of measuring noise, and enforcement procedures.
- Timing: A/B**
Responsibility: CD, PD

IMPLEMENTATION

Action HS.8.1.2 Review development proposals to assure consistency with noise standards. Require new development of noise-creating uses to conform to the City's noise level standards.

Timing: O
Responsibility: CD

Action HS.8.1.3 Require a combination of design features to reduce noise impacts on adjacent properties through the following and other means, as appropriate:

- Screen and control noise sources such as parking, outdoor activities and mechanical equipment.
- Increase setbacks for noise sources from adjacent dwellings.
- Modify building designs and site planning to reduce noise exposure through a combination of sound attenuation (e.g., sound-rated windows and ventilation systems, insulation, physical and landscape buffers) and site planning (e.g., increased separation and private open area buffers) to reduce noise exposure.
- Control hours of operation, including deliveries and trash pickup, to minimize noise impacts.
- Require additional landscaping to assist with buffering where feasible.

Timing: O
Responsibility: CD (Private development), PW (Public buildings)

Action HS.8.2.1 Require an acoustical analysis as part of the environmental review process when noise-sensitive land uses are proposed in areas where current or projected exterior noise levels exceed the City's standards.

Timing: O
Responsibility: CD

Action HS.8.2.2 Require that any potential noise impacts identified during the acoustical analysis be mitigated in the project design to the maximum extent feasible.

Timing: O
Responsibility: CD

IMPLEMENTATION

Action HS.8.2.3 Prepare and periodically update a map of citywide noise-sensitive areas.

Timing: O
Responsibility: CD

Action HS.9.1.1 Adopt the following allowable noise standards:

Timing: A
Responsibility: CD

Maximum Allowable Noise Exposure for Stationary Noise Sources¹

	Daytime ⁵ (7 AM to 10 PM)	Nighttime ^{2,5} (10 PM to 7 AM)
Hourly L_{eq} , dB ³	55	45
Maximum Level, dB ³	70	65
Maximum Level, dB – Impulsive Noise ⁴	65	60

1. As determined at the property line of the receiving land use. When determining effectiveness of noise mitigation measures, the standards may be applied on the receptor side of noise barriers or other property line noise mitigation measures.
2. Applies only where the receiving land use operates or is occupied during nighttime hours.
3. Sound level measurements shall be made with "slow" meter response.
4. Sound level measurements shall be made with "fast" meter response.
5. Allowable levels shall be raised to the ambient noise levels where the ambient levels exceed the allowable levels. Allowable levels shall be reduced 5 dB if the ambient hourly L_{eq} is at least 10 dB lower than the allowable level.

Action HS.9.2.1 Noise control techniques used should be what most effectively mitigates the noise impacts of the development. Such measures may include building setbacks, building orientation and noise barriers. If a noise barrier is required for mitigation of exterior noise levels, it should be constructed of tight-fitting, massive materials (1-inch-thick wood, stucco, masonry, etc.) and should be of sufficient height to interrupt line of sight between the source and receiver. Line of sight should be determined by drawing a straight line between the effective heights of the noise source and receiver.

Timing: O
Responsibility: CD

Action HS.9.3.1 Establish a quiet zone designation at the railroad crossings in Pinole. Work with railroad companies to determine and install required safety devices to acquire the designation.

Timing: B
Responsibility: CM/G, PW, CD

IMPLEMENTATION

- Action HS.10.1.1** The City should continue to work with local health care providers to ensure the availability of adequate levels of health care services and facilities.
- Timing: O**
Responsibility: CM/G, CD
- Action HS.10.1.2** To the extent practical, the City shall support the efforts of public and private providers to make available the full range of medical care to all segments of the population.
- Timing: O**
Responsibility: CM/G, CD, FD
- Action HS.10.1.3** Identify health services that are not readily available in the community and seek to improve access to these services over time.
- Timing: O**
Responsibility: CM/G, CD, FD
- Action HS.10.1.4** The City should consult with area medical service providers to consider the establishment of urgent care facilities or other appropriate medical service facilities in outlying areas of the community.
- Timing: O**
Responsibility: CM/G, CD, FD
- Action HS.10.1.5** The City should encourage the development of medical center or hospital uses in the Doctors Hospital building.
- Timing: O**
Responsibility: CM/G
- Action HS.10.2.1** Improve conditions for walking and bicycling in neighborhoods surrounding schools. Install crosswalks, colored pavement, curb bulbouts and other improvements to ensure safety for pedestrians and bicyclists.
- Timing: O**
Responsibility: PW, CM/G, PD
- Action HS.10.2.2** Collaborate with school districts to form joint use of facilities agreements for use of pools and sports/recreation facilities.
- Timing: O**
Responsibility: CM/G, REC

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- Action HS.10.2.3** Encourage and support efforts by schools to help shape curriculum at schools and improve access to information related to nutrition and exercise.
- Timing: O**
Responsibility: CM/G, REC
- Action HS.10.2.4** Ensure that educational facilities are located in areas that will encourage walking and physical activity to promote student health.
- Timing: O**
Responsibility: CM/G, CD, School District
- Action HS.10.2.5** Help schools set up community gardens by identifying land adjacent to schools that can be used as a garden or by making City staff available to assist the school in starting a garden.
- Timing: O**
Responsibility: CM/G, REC
- Action HS.10.2.6** Explore using zoning regulations to help create a healthier environment for children by limiting or restricting the number of fast-food outlets near schools.
- Timing: O**
Responsibility: CD, CM/G
- Action HS.10.3.1** Encourage establishment of community gardens or agricultural parks on vacant properties, designated open space and rural lands, and in suitable locations on public property to increase the availability of locally grown fresh produce in the community.
- Timing: O**
Responsibility: CM/G, REC, CD
- Action HS.10.4.1** Integrate healthy life choices into City recreation programs for all age groups.
- Timing: O**
Responsibility: REC
- Action HS.10.4.2** Participate in programs, events and ongoing outreach efforts that disseminate information about maintenance of physical and mental health and illness prevention.

IMPLEMENTATION

Timing: O
Responsibility: CM/G, REC

Action HS.10.4.3 Continue to encourage physical activity and provide a broad range of recreational activities in the community.

Timing: O
Responsibility: REC

NATURAL RESOURCES AND OPEN SPACE

Action OS.1.1.1 Develop a Habitat Protection plan that includes an inventory of resources, and identifies measures that may be undertaken to protect the resource, including:

- a. Resource protection; and
- b. Creating restoration objectives.

Timing: A/B
Responsibility: CD

Action OS.1.1.2 The City will continue pursuing Riparian and Stream Restoration Programs, particularly as they relate to implementation of the Pinole Watershed Vision Plan, Pinole Creek Master Plan, and Pinole Creek Demonstration Project.

Timing: O
Responsibility: CD, PW, REC

Action OS.1.1.3 Prepare an Open Space Plan that includes an inventory of existing open space lands and identifies Open Space management goals and objectives.

Timing: A/B
Responsibility: CD, REC

Action OS.1.2.1 The City will continue to communicate with resource agencies on Fish and Wildlife issues and potential impacts. This consultation will include early consultation with the U.S. Fish and Wildlife Services and the California Department of Fish and game as part of environmental review for development proposals.

Timing: O
Responsibility: CD, PW

IMPLEMENTATION

- Action OS.1.2.2** The City will involve Federal, State and local agencies in the formulation of resource protection and habitat restoration plans.
- Timing: A/B**
Responsibility: CD, PW, REC
- Action OS.1.3.1** Explore the possibility of establishing guidelines or development standards to retain ridgelines as community separators and to preserve the visual attributes of Pinole’s hillsides.
- Timing: A/B**
Responsibility: CD
- Action OS.1.3.2** Ensure that new development protects visually prominent existing physical features within Pinole.
- Timing: O**
Responsibility: CD
- Action OS.1.4.1** Consider developing a Wetland inventory that identifies the location and extent of wetlands within the City of Pinole.
- Timing: A/B**
Responsibility: CD
- Action OS.1.4.2** Explore establishing development standards that can be used to avoid and protect wetland resources.
- Timing: A**
Responsibility: CD, PW
- Action OS.1.4.3** Continue to coordinate with Federal and State Agencies to ensure that necessary permits are issued for work in or near to identified wetlands.
- Timing: O**
Responsibility: CD, PW
- Action OS.1.4.4** Continue to employ mitigation measures to reduce potential wetland impacts to a less than significant level.
- Timing: O**
Responsibility: CD, PW
- Action OS.1.4.5** Continue to incorporate passive surface runoff management into project design in order to protect water quality and preserve natural drainage functions.

IMPLEMENTATION

Timing: O
Responsibility: CD, PW

Action OS.1.4.6 Continue efforts to restore natural waterway functions within the Pinole Watershed.

Timing: O
Responsibility: CD, PW

Action OS.1.5.1 Require new developments to minimize the amount of off-site drainage, maintain natural drainage channels, and avoid alteration of off-site drainage courses and impacts on downstream resources and tidal areas.

Timing: O
Responsibility: CD

Action OS.1.6.1 Explore developing guidelines and standards that will ensure visual access to Pinole wetlands while establishing limits on physical access in order to protect wetlands resources.

Timing: A
Responsibility: CD, PW

Action OS.1.7.1 Consider establishing Habitat Protection Policies that protect upland areas surrounding riparian habitat, and buffer areas adjacent to oak woodlands and other resources. These policies may include:

- a. Creek setbacks;
- b. Ridgeline separation; and
- c. Tree protection measures.

Timing: A
Responsibility: CD

Action OS.1.8.1 Support restoration objectives for local habitat types identified in regional environmental planning documents. Where reasonably possible, attempt to restore lost or damaged habitat.

Timing: O
Responsibility: CD, PW

Action OS.1.8.2 Establish riparian and stream restoration programs that include erosion control measures, stream clean-up projects, and revegetation plans for denuded areas.

IMPLEMENTATION

Timing: A/B
Responsibility: CM/G

Action OS.2.1.1 Periodically evaluate the tree preservation zoning regulations to ensure that adequate tree protection is provided.

Timing: A/B
Responsibility: CD

Action OS.2.1.2 The City will continue to implement tree protection programs to preserve significant trees or groves of trees as part of the City's heritage.

Timing: O
Responsibility: CD, CM/G

Action OS.2.3.1 The City shall work with local agencies to develop an approach to controlling the spread of non-native invasive species and reducing their extent on both public and private land, including developing an invasive species removal program.

Timing: O
Responsibility: CM/G

Action OS.2.3.2 New development should incorporate native vegetation into landscape plans and discourage the use of invasive, non-native plant species.

Timing: O
Responsibility: CD

Action OS.2.4.1 Continue implementing the Pinole Creek Watershed Vision Plan and pursue related riparian and stream restoration programs.

Timing: O
Responsibility: CD, PW, CM/G

Action OS.2.4.2 Establish minimum separation between creeks and adjoining development.

Timing: A
Responsibility: CD

Action OS.2.9.1 Consider adopting an Open Space Management Plan that includes criteria to ensure free movement of wildlife throughout the City.

Timing: A/B
Responsibility: CD, CM/G, REC

IMPLEMENTATION

Action OS.3.4.1 The City shall adopt policies to conserve and enhance the City's biological resources in a manner which facilitates orderly development and reflects the sensitivities and constraints of these resources.

Timing: A/B

Responsibility: CD, PW

Action OS.3.5.1 Consider establishing creek setbacks in order to ensure adequate separation between development and riparian resources, and to preserve opportunities for public access to, and along creek corridors.

Timing: A

Responsibility: CD

Action OS.3.6.1 Continue to employ mitigations to reduce potential impacts to wetland resources to a less than significant level.

Timing: O

Responsibility: CD, PW

Action OS.3.6.2 Consider establishing standards to protect wetlands resources within the City of Pinole.

Timing: A/B

Responsibility: CD

Action OS.3.7.1 Continue to notify and consult early with the California Department of Fish and Game and the Army Corps of Engineers, BCDC and any other trustee agencies when development projects are proposed in locations where there may be impacts to fish and wildlife and their habitats.

Timing: O

Responsibility: CD, PW

Action OS.3.7.2 Require applicants to provide an environmental assessment in compliance with CEQA provisions for development proposed on sites that may contain sensitive biological or wetland resources. Require the assessment to be conducted by a qualified professional to determine the presence of any sensitive resources, to assess the potential impacts, and to identify measures for protecting the resource and surrounding habitat.

Timing: O

Responsibility: CD

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Action OS.3.7.4 Development projects shall be modified to avoid impacts on sensitive resources, or impacts shall be mitigated by providing on-site or (as a lowest priority) off-site replacement.

Timing: O
Responsibility: CD

Action OS.3.10.1 Protect Biodiversity. Continue to protect areas known to support a high degree of biological diversity and that may contain species known to be rare or protected under the State or Federal Endangered Species Act. These include the City's tidal wetlands, freshwater wetlands and riparian forest.

Timing: O
Responsibility: CD, PW

Action OS.3.11.1 Develop Environmental Education Programs with schools and other agencies to help environmental awareness, through informational signage, school programs, restoration and clean-up workdays, and events.

Timing: O
Responsibility: CD, PW, CM/G

Action OS.5.1.2 Support efforts that encourage low-impact, passive recreational and educational uses in marsh and tidal land areas within the Pinole Planning area.

Timing: A/B
Responsibility: CM/G, REC

Action OS.6.1.1 Make use of land dedications and scenic easements to preserve visual resources.

Timing: O
Responsibility: CD, CM/G, REC

Action OS.6.1.2 Establish guidelines or standards to preserve ridgelines as community separators and to preserve Pinole's open hillsides as a visual resource.

Timing: A/B
Responsibility:

Action OS.6.2.1 Require assessment of critical public views and ridgelines as part of the project review process to assure that projects protect natural resources through proper site planning, building design and landscaping.

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- Timing: O**
Responsibility: CD
- Action OS.7.1.1 Apply for grant opportunities that support open space enhancement, restoration, and protection objectives.
- Timing: A/B**
Responsibility: CM/G, CD
- Action OS.7.1.2 Explore opportunities to provide funding for maintenance of existing publicly owned open space area.
- Timing: A/B**
Responsibility: CM/G, CD, PW, FD
- Action OS.8.1.1 The City will collaborate with local, regional and state water suppliers and water resource managers to comprehensively plan for a sustainable water supply.
- Timing: O**
Responsibility: PW
- Action OS.8.1.2 Will coordinate water resource management planning with other conservation planning efforts, such as open space and park planning, and creek restoration.
- Timing: O**
Responsibility: REC, CD
- Action OS.8.1.3 Continue to work with the East Bay Municipal Water District to create a master plan for reclaimed water infrastructure (a “purple pipe” system) in Pinole.
- Timing: O**
Responsibility: PW, CM/G
- Action OS.8.1.4 Participate in ongoing EBMUD water conservation programs to provide education and outreach materials and support water conservation efforts in Pinole.
- Timing: O**
Responsibility: CM/G, CD, PW
- Action OS.8.1.5 Continue to coordinate with wastewater system operators to identify and implement programs for the reuse of treated wastewater, particularly in landscaping and public facilities.

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Timing: O
Responsibility: PW

Action OS.8.1.6 Explore mechanisms with EBMUD to install infrastructure to transport existing or future supplies of reclaimed water (“purple pipe”) or pay an in-lieu fee equal to the cost of installation, to be used toward the implementation of the Citywide system.

Timing: O
Responsibility: CD, PW

Action OS.8.2.1 Pursue Municipal Code changes that support LID development.

Timing: A/B
Responsibility: CD, PW

Action OS.8.4.1 Groundwater Quality Protection. Require appropriately designated filters adjacent to all manmade storm drainage channels.

Timing: O
Responsibility: CD, PW

Action OS.8.5.1 Continue to employ pollution prevention techniques in all city operations and maintenance activities, consistent with Contra Costa County Clean Water Program regulations.

Timing: O
Responsibility: PW

Action OS.8.6.1 Continue on-going riparian protection and enhancement efforts as expressed in the Pinole Creek Watershed Vision Plan, and implement existing surface run-off protection programs.

Timing: O
Responsibility: CD, PW

Action OS.8.7.1 The City shall ensure that the intensity and timing of new development are consistent with the capacity of water supplies and protect groundwater and other water supplies by requiring all applicants for discretionary projects to demonstrate the availability of an adequate water supply prior to approval.

Timing: O
Responsibility: CD, PW

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Action OS.8.7.2 Support efforts and partnerships that coordinate water resource management planning with other conservation planning efforts, such as open space and park planning, and creek restoration.

Timing: O

Responsibility: CD, REC, PW

Action OS.8.7.3 Work cooperatively with applicable agencies to encourage water conservation by disseminating education and outreach materials and providing local water conservation incentives.

Timing: O

Responsibility: CM/G, CD, PW

Action OS.8.7.4 Work cooperatively with other wastewater system operators to identify and implement projects that result in reuse of treated wastewater, particularly in landscaping and public facilities, consistent with public health requirements.

Timing: O

Responsibility: PW

Action OS.8.8.1 Minimize public and private use of pesticides that may harm water quality within the Pinole Creek Watershed and Planning Area through education and outreach efforts.

Timing: O

Responsibility: CD, PW, CM/G

Action OS.8.8.2 Implement a comprehensive municipal stormwater pollution-prevention program in compliance with requirements of the California Regional Water Quality Control Board's stormwater National Pollutant Discharge Elimination System (NPDES) permit.

Timing: A

Responsibility: PW

Action OS.8.8.3 Avoid excessive grading and disturbance of vegetation and soils, retain native vegetation and significant trees, and maintain natural drainage patterns by requiring proposed development to conform to natural land forms, where feasible.

Timing: O

Responsibility: CD, PW

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Action OS.8.8.4 Continue to work cooperatively with other agencies and community groups to comply with water quality regulations, reduce pollutants in runoff, and protect and enhance water resources in the Pinole Creek Watershed and the Planning Area.

Timing: O

Responsibility: CD, PW, CM/G

Action OS.8.8.5 Reduce directly connected impervious area by limiting the overall coverage of paving and roofs, directing runoff from impervious areas to adjacent pervious areas, and selecting permeable pavements and surface treatments to enhance water quality.

Timing: O

Responsibility: CD, PW

Action OS.8.8.6 Require new development projects to incorporate facilities and measures to treat stormwater before discharge from the site. The facilities shall be included in required Stormwater Control Plans and sized to meet NPDES permit requirements. Projects shall protect water quality by incorporating Low Impact Development (LID) design to detain, treat, and infiltrate runoff by minimizing impervious area; such as use of pervious pavements and green roofs, disperse runoff to landscaped areas; and/or route runoff to rain gardens, cisterns, swales, and other small-scale facilities distributed throughout the project area.

Timing: O

Responsibility: CD

Action OS.8.8.7 Support and participate in regional efforts to protect water quality and enhance recreation opportunities by preserving and restoring riparian and wetland habitat within the Planning Area and the Pinole Creek Watershed.

Timing: O

Responsibility: CD, REC, CM/G

SUSTAINABILITY

Action SE.1.1.1 Align City mission statements, budgeting and operations with sustainability goals. Consider sustainability criteria in City policy, City purchasing, municipal operations and program decisions.

Timing: O

Responsibility: CM/G, PW

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Action SE.1.1.2 Designate the Planning Commission to coordinate and accelerate organizational and community implementation of sustainable practices and to ensure integration of environmental, economic and social policies and programs.

Timing: A

Responsibility: CM/G, CD

Action SE.1.1.3 Report progress on sustainability goals regularly as part of the General Plan Annual Review.

Timing: O

Responsibility: CD, CM/G

Action SE.1.1.4 Regularly disseminate information about the City's sustainability efforts and plans on the City's website, in the newsletter and through other methods.

Timing: O

Responsibility: CM/G, CD

Action SE.1.1.5 Establish baselines of City operations such as the City's energy use, trash export, recycling, local food production, etc. in order to evaluate the City's progress toward reducing energy consumption and waste and set goals for future waste reduction targets.

Timing: A

Responsibility: CM/G, PW, CD

Action SE.1.1.6 Promote a Green Rating System to be used for programs such as rating local businesses as "green businesses".

Timing: A

Responsibility: CM/G, CD

Action SE.1.3.1 Conduct energy audits for all public facilities, as feasible.

Timing: A

Responsibility: PW

Action SE.1.3.2 Retrofit facilities for energy efficiency where feasible. Include items such as increased insulation, green or reflective roofs, and low-emissive window glass.

Timing: O

Responsibility: PW, CM/G

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- Action SE.1.3.3** Implement an energy tracking and management system for City departments and public facilities.
- Timing: A**
Responsibility: PW, CM/G
- Action SE.1.3.4** Where feasible, install energy-efficient lighting retrofits and occupancy sensors on public facilities.
- Timing: O**
Responsibility: PW, CM/G
- Action SE.1.4.1** Consider setting standards for green building for public facilities that include a minimum LEED certification and integrate solar design, heat-minimizing features such as cool paving, landscaping, pervious surfaces, and other appropriate techniques.
- Timing: A**
Responsibility: PW, CM/G
- Action SE.1.5.1** Provide energy efficiency training, including opportunities to obtain LEED certification for relevant staff.
- Timing: O**
Responsibility: CD, PW, CM/G
- Action SE.1.5.2** Provide information on energy use and management to managers and others making decisions that influence energy use.
- Timing: O**
Responsibility: CM/G, PW
- Action SE.1.5.3** Provide energy design review services to departments undertaking new construction or renovation projects to facilitate compliance with LEED standards.
- Timing: O**
Responsibility: CD, PW, CM/G
- Action SE.2.1.1** Assist in the creation of effective educational materials and outreach efforts relating to climate change.
- Timing: O**
Responsibility: CM/G, CD

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Action SE.2.1.2 Support the Development and implementation of a program to present educational information to schoolchildren about climate change and behaviors that reduce GHG emissions and mitigate the effects of climate change.

Timing: O

Responsibility: CM/G, CD

Action SE.2.1.3 Acknowledge outstanding local efforts (private and public) that support the City's sustainability goals, including the reduction of GHG emissions.

Timing: O

Responsibility: CM/G, CD

Action SE.2.1.4 Consider establishing and/or sponsor competitions, or contests that promote climate protection, reducing GHG emissions, or fund-raising to support community climate protection programs.

Timing: O

Responsibility: CM/G, CD

Action SE.2.1.5 Support student participation in local efforts to combat or raise awareness about climate change and GHG emissions.

Timing: O

Responsibility: CM/G, CD

Action SE. 2.2.1 Through the Redevelopment Agency and education programs, create a "Green Jobs Incubator" to help create more green jobs and offer green job training opportunities.

Timing: A/B

Responsibility: CD

Action SE.2.2.2 Join the Bay Area Green Business Program, a partnership of environmental agencies, professional associations, waste management agencies, utilities and a concerned public.

Timing: A

Responsibility: CM/G

Action SE.2.2.3 Support and encourage conveniently located child care services with flexible hours.

Timing: O

Responsibility: CM/G

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Action SE.3.1.1 Complete the in-progress Greenhouse Gas Emissions Inventory for Government Operations and the community (or Planning Area) consistent with State or other accepted protocol. The Inventory shall provide a business-as-usual forecast for GHG emissions for 2020 and 2030.

Timing: A

Responsibility: CD, PW

Action SE.3.1.2 Within 12 months of completion of a baseline GHG Inventory, initiate development of a Climate Action Plan that identifies how the City will achieve its 15% reduction target by 2020, at a minimum.

Timing: A

Responsibility: CD, CM/G, PW

Action SE.3.2.1 Encourage civic, educational, religious and neighborhood institutions to specifically address climate change.

Timing: O

Responsibility: CM/G

Action SE.3.2.2 Implement neighborhood-based outreach efforts to combine and promote energy and water conservation, solid waste reduction, safety and livability.

Timing: O

Responsibility: CM/G, REC

Action SE.3.2.3 Use a variety of media and methods to promote climate awareness and GHG reduction, including TV, radio, using local celebrities as spokespeople, advertising in the local paper, collaborating with companies and agencies who have an impact on the local environment, and designing a climate change-themed webpage.

Timing: O

Responsibility: CM/G

Action SE.3.2.4 Organize events and workshops to promote actions that reduce GHGs generated from energy, waste, and transportation. Topics could include backyard composting, office waste recycling, selecting and planting drought-tolerant plants, installing advanced irrigation systems, weatherizing, smart lighting, and conducting self-audits for energy use and efficiency.

Timing: O

Responsibility: CM/G, REC

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- Action SE.3.2.5** Pinole should either organize, or look to participate in, an annual Climate Protection Summit or Fair to educate the public on current climate science, projected local impacts, and local efforts and opportunities to reduce GHG emissions.
- Timing: A (Organize), O (Annual event)**
Responsibility: CM/G, REC
- Action SE.3.2.6** Provide a “carbon footprint calculator” on the City’s website for individuals and small businesses, and provide individually tailored assessments for complex organizations and entities.
- Timing: B**
Responsibility: CM/G, CD
- Action SE.3.2.7** Work with City and County agencies to publicize greenhouse gas-reducing projects and actions through public education efforts.
- Timing: O**
Responsibility: CM/G
- Action SE.3.3.1** Reduce heating and cooling loads by promoting light-colored roofs and paving materials, planting trees, and increasing vegetative cover.
- Timing: O**
Responsibility: CD (Private development), PW (Public buildings)
- Action SE.3.3.2** Where possible, use parkway strips to allow shading of streets by trees.
- Timing: O**
Responsibility: CD, PW
- Action SE.3.3.3** Require the use of shade trees on south- and west-facing sides of structures, where possible.
- Timing: O**
Responsibility: CD (Private development), PW (Public buildings)
- Action SE.3.3.4** Include low-water landscaping in place of hardscaping around transportation infrastructure and in parking areas.
- Timing: O**
Responsibility: CD (Private development), PW (Public buildings)
- Action SE.3.3.5** Where feasible, require the use of pervious pavement options.

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- Timing: O**
Responsibility: CD (Private development), PW (Public buildings)
- Action SE.3.3.6 Where feasible, require the use of edible landscaping and low-water landscaping.
- Timing: O**
Responsibility: CD (Private development), PW (Public buildings)
- Action SE.3.4.1 Over time, replace the City's vehicle fleet with alternative fuel vehicles.
- Timing: O**
Responsibility: CM/G, PW, PD, FD
- Action SE.3.4.2 Encourage carpools and transit use by City employees.
- Timing: O**
Responsibility: CM/G
- Action SE.3.4.3 Work with WCCTAC to develop and update the Action Plan for Routes of Regional Significance, establish Multimodal Transportation Service Objectives (MTSOs), and to coordinate planning for projects and programs of regional importance.
- Timing: O**
Responsibility: CM/G, PW, CD
- Action SE.3.4.4 Encourage businesses to provide employees with information on alternatives to single-occupancy driving (e.g., offer literature on the Transit 511 program to support carpooling).
- Timing: O**
Responsibility: CM/G
- Action SE.3.4.5 The City will ensure that new developments incorporate both local and regional transit measures into the project design.
- Timing: O**
Responsibility: CD
- Action SE.3.4.6 The City will give priority to projects that will result in reduction of vehicle miles traveled per capita while maintaining sustainability and economic vitality.
- Timing: O**
Responsibility: CD, CM/G

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- Action SE.3.4.7** The City will encourage the growth and enhancement of an interconnected transportation system that allows a shift in travel from private passenger vehicles to alternative modes, including public transit, ride sharing, bicycling, and walking.
- Timing: O**
Responsibility: CM/G, CD, PW
- Action SE. 3.4.8** Promote technological innovations to help reduce automobile, truck and other motorized equipment emissions.
- Timing: O**
Responsibility: CM/G
- Action SE.4.1.1** Utilize, where feasible, renewable energy and clean generation technologies such as solar, wind, biogas, tidal, cogeneration, and fuel cells to power City facilities using tax-free low-interest loans and other available financial options.
- Timing: O**
Responsibility: PW, CM/G
- Action SE.4.1.2** Evaluate the feasibility of purchasing renewable energy certificates to reduce the City’s contribution to greenhouse gas emissions.
- Timing: A**
Responsibility: CM/G
- Action SE.4.1.3** Designate suitable sites to prioritize their development for renewable energy generation.
- Timing: A/B**
Responsibility: CD
- Action SE.4.1.4** Adopt measures to protect the renewable energy use of the sites and their resources, such as utility easements, rights-of-way, and land set-asides.
- Timing: A/B**
Responsibility: CD
- Action SE.4.2.1** Continue to identify and remove regulatory or procedural barriers to producing renewable energy in building and development codes, design guidelines, and zoning ordinances. Work with related agencies in areas such as fire, water, and health that may impact the use of alternative technologies. Actively participate in the development protocols for

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alternative energy storage such as biodiesel, hydrogen, and/or compressed air.

Timing: O

Responsibility: CM/G, CD, PW

Action SE.4.2.2 Provide energy conservation information to the public.

Timing: O

Responsibility: CM/G

Action SE.4.2.3 Provide information to planning and building staff and citizen review bodies regarding energy conservation and efficiency issues, including Pinole's energy conservation policies, and work with applicants to achieve energy conservation goals.

Timing: O

Responsibility: CM/G, CD

Action SE.4.2.4 Provide technical assistance to builders and developers to encourage sustainable and energy efficient building design.

Timing: O

Responsibility: CD

Action SE. 4.3.1 Require that new office/retail/commercial or industrial development, or major rehabilitation (e.g. additions of 25,000 square feet commercial, or 100,000 square feet industrial) incorporate renewable energy generation either on- or off-site to provide 15% or more of the project's energy needs.

Timing: O

Responsibility: CD

Action SE.4.4.1 Utilize energy-efficient products for City equipment purchases where feasible.

Timing: O

Responsibility: CM/G, PW

Action SE.4.4.2 Continue to conduct energy audits of Pinole facilities and implement energy efficiency and retrofitting recommendations from those audits. Seek funding from available state sources and grant opportunities, as well as the CIP.

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- Timing: O**
Responsibility: PW, CM/G
- Action SE.4.4.3** Where feasible and appropriate, transition to LED/energy efficient lights in all City facilities and equipment.
- Timing: O**
Responsibility: PW
- Action SE.4.4.4** Set a target to meet a majority of the City's energy needs via renewable energy.
- Timing: A**
Responsibility: CM/G
- Action SE.4.4.5** Explore funding sources and mechanisms for energy efficiency improvements for residences. (ex: AB 811, which provides cities ways to fund energy efficiency improvements via assessments).
- Timing: O**
Responsibility: CM/G, CD
- Action SE.4.5.1** Require that, where feasible, all new buildings be constructed for easy, cost-effective installation of solar energy systems. This should include requiring such features as optimal roof orientation, clear access without obstructions, and appropriate roof framing and wiring.
- Timing: O**
Responsibility: CD (Private development), PW (Public buildings)
- Action SE.4.5.3** Require that any building constructed in whole or in part with City funds incorporate passive solar design features such as daylighting and passive solar heating, where feasible.
- Timing: O**
Responsibility: CM/G, PW
- Action SE.4.5.4** Pinole will protect active and passive solar design elements and systems from shading by neighboring structures and trees, as consistent with existing tree shading requirements.
- Timing: O**
Responsibility: CD
- Action SE.4.6.1** Provide, where possible, grants, rebates, and incentives for renewable energy projects, including reduced fees and expedited permit processing.

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- Timing: O**
Responsibility: CM/G, CD
- Action SE.4.6.2** Pinole will provide, where feasible, creative financing for renewable energy projects, including subsidized or other low-interest loans, and the option to pay for system installation through long-term assessments on individual property tax bills.
- Timing: O**
Responsibility: CM/G
- Action SE.4.6.3** Pinole will pursue partnerships with other governmental entities and with private companies and utilities to establish incentive programs for renewable energy.
- Timing: O**
Responsibility: CM/G
- Action SE.4.7.1** Evaluate the feasibility and effectiveness of using Community Choice Aggregation as a model for providing renewable energy to meet Pinole's electricity needs, including potential partnerships with other jurisdictions.
- Timing: O**
Responsibility: CM/G
- Action SE.5.1.1** Continue the City's e-waste recycling program.
- Timing: O**
Responsibility: CM/G
- Action SE.5.1.2** Improve and expand curbside recycling and other residential recycling services.
- Timing: A/B**
Responsibility: CM/G
- Action SE.5.1.3** Continue to improve internal City and County waste prevention practices.
- Timing: O**
Responsibility: CM/G
- Action SE.5.1.4** Expand City recycling of asphalt and other street material.
- Timing: A/b**
Responsibility: CM/G, PW

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- Action SE.5.1.5** Encourage continued commercial food-waste collection program.
- Timing: O**
Responsibility: CM/G
- Action SE.5.1.6** Develop an ordinance reducing construction-generated waste.
- Timing: A**
Responsibility: CD, CM/G
- Action SE.5.1.7** Develop and implement a plan for City communications and facilities to eventually become primarily paperless.
- Timing: A**
Responsibility: CM/G
- Action SE.5.2.1** Promote and expand recycling programs, purchasing policies, and employee education to reduce the amount of waste produced.
- Timing: O**
Responsibility: CM/G
- Action SE.5.4.1** Pinole will adopt a Construction and Demolition Waste Recovery Ordinance, requiring building projects to recycle or reuse a minimum percentage of unused or leftover building materials.
- Timing: A/B**
Responsibility: CM/G, CD
- Action SE.5.4.2** Require all new development and major rehabilitation projects to recycle or salvage a majority of the non-hazardous construction and demolition debris.
- Timing: O**
Responsibility: CD
- Action SE.5.4.3** Establish clear and consistent guidelines for how and when used construction materials can be used in new or remodel construction.
- Timing: A**
Responsibility: CD
- Action SE.6.1.1** Explore a Green Building Ordinance to require green building standards be utilized such as the use of renewable energy, efforts to improve air and water quality, and to conserve natural resources. Other areas to consider addressing in the Ordinance include building orientation and

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shading, landscaping, solar orientation, and sustainable building materials.

Timing: A/B
Responsibility: CD

Action SE.6.1.2 Investigate sliding-scale building permit fees with rebates and/or expedited permit review for high-performance green buildings and higher fees for conventional buildings.

Timing: A
Responsibility: CD, CM/G

Action SE.6.1.3 Develop a Green Streets program to encourage designs that enhance the City's ecological function, reduce stormwater discharge through the use of pervious surfaces where appropriate, add infiltration enhancements (e.g. planters, swales, and channels), and increase sidewalk planting areas to reduce the heat island effect in developed areas and provide room for additional trees and shrubs within public right-of-way areas.

Timing: A
Responsibility: PW

Action SE.6.2.1 Reduce energy consumption in buildings by balancing energy-efficient design with land use compatibility during the design review process.

Timing: O
Responsibility: CD

Action SE.6.3.1 The City of Pinole will ensure that contracts for roadway construction and repair shall utilize recycled and resource-efficient materials where feasible.

Timing: O
Responsibility: PW

Action SE.6.4.1 Research and establish Environmental Preferable Purchasing policies that provide for resource conservation while ensuring cost effective purchases.

Timing: A
Responsibility: CM/G

Action SE.7.2.1 Establish tree planting targets in order to reduce or sequester greenhouse gas emissions, provide for energy efficiency, and to enhance the City's quality of life.

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- Timing: A**
Responsibility: CD, PW
- Action SE.7.2.2 Pursue funding for private and public park and street tree planting.
- Timing: O**
Responsibility: REC, PW, CM/G
- Action SE.7.2.3 Establish and maintain a Pinole tree planting guide to encourage tree planting, reduce long-term maintenance costs, reduce fire hazards, improve energy efficiency, and enhance the quality of the community over time.
- Timing: A/B**
Responsibility: REC, CM/G
- Action SE.7.2.4 Develop landscape standards that require minimum planting and maintenance requirements for new and retrofit development and the use of native or drought-tolerant vegetation.
- Timing: A/B**
Responsibility: CD
- Action SE.7.3.1 Increase public awareness of air quality problems, rules and solutions through use of City publications and networks.
- Timing: O**
Responsibility: CD
- Action SE.7.3.2 Reduce methane emissions released from waste disposal. Encourage recycling, decrease waste sent to landfills, require landfill methane recovery and promote methane recovery for energy production from other sources.
- Timing: A**
Responsibility: PW, CD
- Action SE.7.3.3 Research and consider a set of standards that provide a set of voluntary measures to incorporate clean vehicles in private fleets and promote the use of clean alternative fuels.
- Timing: A**
Responsibility: PW, CM/G

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- Action SE.7.3.4** Continue to encourage innovative technologies and programs such as clean-fuel, electric and low-emission cars that reduce the air quality impacts of the automobile.
- Timing: A**
Responsibility: PW, CM/G
- Action SE.7.3.5** Support alternate work schedules where feasible. Encourage employers to allow alternate work schedules for employees, telecommuting and other practices that reduce auto trips.
- Timing: A**
Responsibility: PW, CD
- Action SE.7.4.1** Develop a TDM program for Pinole that includes such improvements as bike parking, showers for employees, etc.
- Timing: A**
Responsibility: PW, CD
- Action SE.8.1.1** Publicize and participate in campaigns to promote options to single-occupancy vehicle travel.
- Timing: O**
Responsibility: CM/G, CD
- Action SE.8.1.2** Pursue funding opportunities for projects that increase pedestrian accessibility to transit stops, neighborhood shopping areas, schools, religious facilities, and parks.
- Timing: O**
Responsibility: CM/G, REC
- Action SE.8.1.3** Provide maps highlighting alternative modes of transportation and preferred routes for those modes.
- Timing: A**
Responsibility: CM/G, CD
- Action SE.8.1.4** Explore parking pricing to all appropriate commercial areas to reduce single-occupancy vehicle use.
- Timing: A**
Responsibility: CD, CM/G

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- Action SE.8.1.5** Educate all employees on fuel-efficient driving practices, such as avoiding unnecessary idling.
- Timing: O**
Responsibility: CM/G, PW
- Action SE.8.1.6** Explore providing City employees with transit subsidies for travel on business to improve air quality and reduce greenhouse gas emissions.
- Timing: A**
Responsibility: CM/G, CD
- Action SE.8.1.7** Include sidewalks, separated sidewalks whenever possible, on both sides of all new street improvement projects, except where there are severe topographic or natural resource constraints.
- Timing: O**
Responsibility: PW, CD
- Action SE.8.1.8** Whenever feasible, ensure transit stops are safe and sheltered, with clean benches and adequate lighting.
- Timing: O**
Responsibility: PW, CD
- Action SE.8.2.1** Adopt a specific plan for Pinole’s transit corridors.
- Timing: O**
Responsibility: PW, CM/G, CD
- Action SE.8.2.2** Ensure transportation centers are multi-modal to allow transportation modes to intersect.
- Timing: O**
Responsibility: PW, CD, CM/G
- Action SE.8.6.1** Encourage shared parking opportunities, such as movie theaters with primary parking needs in evenings and churches or other facilities with weekend-only parking needs.
- Timing: O**
Responsibility: CD, CM/G
- Action SE.8.6.2** Consider reducing minimum parking requirements for new development.

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- Timing: A/B**
Responsibility: CD
- Action SE.8.6.3 Continue to encourage shared parking programs in mixed-use and transit-oriented development.
- Timing: O**
Responsibility: CD, CM/G
- Action SE.8.6.4 Consider using time limited/metered parking to discourage private vehicle use, especially at peak times.
- Timing: A**
Responsibility: CM/G
- Action SE.8.6.5 Require that new and fully renovated commercial and retail development provide preferential parking for electric vehicles and vehicles using alternative fuels.
- Timing: O**
Responsibility: CD
- Action SE.8.7.1 Implement public transit-, bicycle- and pedestrian-oriented land use and design strategies in new development, as described in the Land Use and Circulation Elements of the General Plan to reduce the number of single-occupant trips in fossil-fueled vehicles.
- Timing: O**
Responsibility: CD
- Action SE.8.7.2 Consider establishing a “free bicycle” program with bicycles that the public may borrow for trips around Pinole.
- Timing: A/B**
Responsibility: CM/G
- Action SE.8.7.3 Require new commercial, multi-family residential, and mixed-use development to provide secure bicycle parking.
- Timing: O**
Responsibility: CD
- Action SE.8.7.4 The City will set a deadline by which it will be assured that all city parks, schools, commercial districts, and other high-volume trip destinations within Pinole provide secure bicycle parking.

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- Timing: A**
Responsibility: CD, PW, CM/G
- Action SE.8.7.5** Establish and implement standards that meet or exceed state law for “complete streets” that foster equal access by all users in the roadway system. Include standards that address connection of bicycle and pedestrian access to other areas, safe road crossings, adequate and secure bike parking at public and private facilities, and street standards as is feasible for bicycle infrastructure.
- Timing: A/B**
Responsibility: PW, CD
- Action SE.8.7.6** Apply for regional, state, and federal grants for bicycle and pedestrian infrastructure projects.
- Timing: O**
Responsibility: PW, CD, CM/G
- Action SE.8.10.1** Develop the necessary infrastructure to encourage the use of zero-emission vehicles and clean alternative fuels, such as development of electric vehicles charging facilities and alternative fueling stations.
- Timing: A/B**
Responsibility: CM/G, CD, PW
- Action SE.8.10.2** Encourage new construction to include vehicle access to properly wired outdoor receptacles to accommodate plug-in vehicles.
- Timing: O**
Responsibility: CD
- Action SE.8.10.3** Establish incentives for use of alternative fuel, electric, or gas-electric hybrid vehicles.
- Timing: O**
Responsibility: CM/G, CD
- Action SE.9.1.1** Where feasible, institute a water conservation program for City of Pinole facilities; for example, installation of waterless urinals and low-flow sinks and showers.
- Timing: O**
Responsibility: PW

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- Action SE.9.1.2** Encourage the use of recycled water and drought-resistant landscaping in Pinole facilities, public roadway landscape, and new development.
- Timing: O**
Responsibility: PW, CD
- Action SE.9.1.3** Establish incentives for development projects that achieve a 20% reduction in water use over baseline of 1995.
- Timing: A**
Responsibility: CD, CM/G
- Action SE. 9.1.4** Continue to comply with state and county C.3 requirements of limiting impervious surface area and reducing stormwater runoff and work to increase Low Impact Development throughout the City.
- Timing: O**
Responsibility: CD, PW
- Action SE. 9.1.5** Continue to plan and implement upgrades or other options to improve solids processing, comply with permit requirements, and help prevent overflow and runoff into the Bay.
- Timing: O**
Responsibility: PW
- Action SE.9.1.7** Continue to require new development applicants to incorporate post-construction stormwater treatment systems and best management practices on the site.
- Timing: O**
Responsibility: PW, CD
- Action SE.9.1.8** Require that stormwater treatment measures use Low Impact Development systems such as vegetation to treat pollutants in stormwater runoff (e.g., through rain gardens, bioretention areas and living roof systems).
- Timing: O**
Responsibility: PW, CD
- Action SE.9.2.1** Conserve lands of scenic and recreational value.
- Timing: O**
Responsibility: CD, REC

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- Action SE.9.2.2** Use open space to define urban areas.
- Timing: O**
Responsibility: CD
- Action SE.9.2.3** Establish opportunities for urban agriculture uses and promote the public health and environmental benefits of consuming locally grown organic foods.
- Timing: A/B**
Responsibility: CM/G, CD, REC
- Action SE.9.2.4** Limit development on steep ridgelines and slopes. Establish required setback distances.
- Timing: O**
Responsibility: CD
- Action SE.9.3.1** Designate environmentally sensitive natural resource areas as Open Space, Parks and Recreation, Rural, or San Pablo Bay Conservation Areas appropriate in the City's Land Use Element Map to help ensure long-term protection of natural resources within the City.
- Timing: O**
Responsibility: CD
- Action SE.9.3.2** Require biological studies in conjunction with development proposals within or near natural habitat lands, including land designated as Rural in the General Plan Land use Map (**Figure 5.5**).
- Timing: O**
Responsibility: CD
- Action SE.9.3.3** Avoid disturbance of sensitive biological resources in conjunction with new development, redevelopment, or other construction activities.
- Timing: O**
Responsibility: CD, PW
- Action SE.9.3.4** Establish policies, programs, and funding mechanisms to create, develop, and preserve conservation areas and to discourage development in those areas. Impose mitigation fees for development on lands that would otherwise be in a conservation area and use funds generated to protect other areas from development.
- Timing: A/B**
Responsibility: CD, CM/G

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- Action SE.9.4.1** Conduct a water reclamation study for using reclaimed waste water for irrigation.
- Timing: A/B**
Responsibility: PW
- Action SE.9.4.2** Establish criteria and standards to permit the safe and effective use of gray water (on-site water recycling). Review, and appropriately revise, without compromising health or safety, other building code requirements that might prevent the use of such systems.
- Timing: A/B**
Responsibility: PW
- Action SE.9.4.3** Create an inventory of non-potable water uses within the jurisdiction that could be served with recycled water.
- Timing: A/B**
Responsibility: PW
- Action SE.9.4.4** Establish a water conservation plan that may include such policies and actions as reducing per capita water consumption, restricting landscape watering, performance standards for irrigation equipment and water fixtures, and requirements that increased demand from new construction be offset with reductions so that there is no net increase in water use.
- Timing: A/B**
Responsibility: PW
- Action SE.9.4.5** Implement a public outreach campaign to promote water conservation.
- Timing: A/B**
Responsibility: CM/G
- Action SE.9.5.1** Minimize removal of mature, healthy trees in conjunction with new development, as required by the tree protection ordinance.
- Timing: O**
Responsibility: CD
- Action SE.9.5.2** Establish programs and policies to ensure landscaping and forests are installed and managed to optimize their climate benefits.
- Timing: A/B**
Responsibility: CD, PW, REC

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Action SE.9.5.3

Pinole will install water-efficient landscapes and irrigation, including planting drought-tolerant plants and native species, covering exposed dirt with moisture-retaining mulch, using advanced technology such as moisture-sensing irrigation controls, and promoting urban agriculture by installing edible landscapes that provide local food.

Timing: O

Responsibility: PW, CD, CM/G

Action SE.9.5.4

Promote the planting of shade trees and establish shade tree guidelines and specifications that include recommendations for tree planting based on land use, recommendations for tree types based on size, branching patterns, whether deciduous or evergreen, whether roots are invasive, etc. Include recommendations for placement including distance from structures, density of planting, and orientation relative to structures and the sun.

Timing: O

Responsibility: CD, PW