



APPENDIX

IMPLEMENTATION

INTRODUCTION

This Implementation Plan will guide City elected officials, commission and committee members, staff, and the public in the overall effort to put into practice the adopted General Plan goals and policies. The purpose of the implementation programs is to ensure that the overall direction set forth in the General Plan is translated from general ideas to actions.

Each implementation program is a procedure, program, or technique that requires City action, either alone or in collaboration with non-City organizations or with federal and state agencies. Some of the implementation programs are processes or procedures the City currently administers on a day-to-day basis (such as review of development projects). Other implementation programs require new programs or projects. Completion of each of the identified programs is subject to funding availability.

CITY DEPARTMENTS AND DIVISIONS IMPLEMENTING THE GENERAL PLAN

Implementing and maintaining the overall General Plan is the primary responsibility of the Planning Division of the Community Development Department. However, because General Plan policies affect nearly every aspect of City government and of City services provided in Orange, other departments also play key roles in ensuring that General Plan policies and programs are carried out to achieve the community's vision. Each of the City's departments has taken part in the preparation of the General Plan, and many have implementation responsibilities described in this section. In some cases, elements of the implementation programs may carry through to individual departments' work plans or the City's Capital Improvement Program. The implementation programs are also intended to be consistent with, and supportive of, the City's Strategic Plan.

The following section summarizes the Mission Statements of the departments most responsible for implementing the General Plan. These statements provide a broad overview of the types of programs each department is likely to be responsible for implementing.

City Council

The City of Orange is committed to excellent service for our residents, businesses, and visitors.



City Manager

To serve the City with strong leadership and vision.

Community Development

To guide the development and preservation and a livable, safe, and sustainable Orange.

Community Services

To enhance the quality of life and a safe community by providing lifelong learning opportunities, leisure activities, and recreational experiences in well-maintained parks and facilities.

Fire

To prevent or minimize the loss of life, damage to the environment, and property from fire, medical emergencies, and hazardous conditions.

Library Services

To welcome and support all people in their enjoyment of reading and pursuit of lifelong learning, to preserve local history, and to provide equal access to information, ideas, and knowledge through books, programs, and technology.

Police

To perform law enforcement duties with innovative leadership; accountable to the people we serve, in order to ensure their safety and improve the quality of life in our diverse community.

Public Works

To provide and preserve our City’s infrastructure, facilities, and programs, and to promote public health, safety, and welfare through courteous and timely customer service and efficient use of available resources.

CITY OF ORANGE STRATEGIC PLAN

The *City of Orange Strategic Plan* establishes a vision for how the City as an organization delivers services to its residents, businesses, and visitors. The intent of the plan is to define the purpose of the organization, establish realistic goals and objectives, present a vision of success that will guide the ongoing direction of the organization, and help to ensure the most effective use of City resources by focusing the resources on key priorities. The Strategic Plan establishes the following goals:





- (1) Provide for a safe community.
- (2) Be a fiscally healthy community.
- (3) Enhance and promote the quality of life in the community.
- (4) Provide outstanding public service.
- (5) Recognize, promote, and preserve Orange’s rich heritage.

These Strategic Plan goals are integrated throughout the General Plan policies, and are reflected in the Implementation Plan programs and specifications. Therefore, the Strategic Plan goals are also reflected in the individual department work plans and the City Budget.

IMPLEMENTATION PROGRAMS

General Plan implementation programs are organized into the following five subsections corresponding to various areas and levels of City responsibility:

- I. Plans, Permits, Procedures, Agreements, and Ordinances Administered by the City
- II. Physical Improvements and Capital Projects
- III. Conditions or Requirements Placed Upon Applicants during Development Review
- IV. Planning and Outreach Initiatives
- V. Coordination with Other Agencies and Organizations

Each implementation program relates directly to one or more of the General Plan policies, drawn from various elements. For each program, the related General Plan policies are listed, along with the responsible agencies or City departments, the recommended time frame, and the likely funding source.

The implementation programs are intended for use as the basis for preparing the *Annual Report to the City Council* on the status of the City’s progress in implementing the General Plan, as described in Section 65400 of the Government Code. Because many of the individual actions and programs also act as mitigation for environmental impacts resulting from planned development in accordance with the General Plan, the Annual Report can also provide a means of monitoring application of the mitigation measures as required by Public Resources Code Section 21081.6. To ensure continued consistency and usefulness, the programs should be updated concurrent with the City’s annual budget process and whenever the General Plan is amended or updated.

Implementation programs corresponding to the goals and policies set forth in the Housing Element are listed within the Housing Element, rather than within this Appendix.

I. Plans, Permits, Procedures, Agreements, and Ordinances Administered by the City

Program I-1 Zoning Code Update

The City will perform focused amendments to the Zoning Code in order to revise and/or establish new zoning standards to implement policies in the Land Use, Noise, Urban Design,



and Cultural Resources & Historic Preservation Elements. All future updates to the Zoning Code will include an active public participation process. Until such time as the City ultimately performs a comprehensive Zoning Ordinance update, all new development shall comply with the standards set forth in the current Zoning Code, or the standards established through a development agreement or specific plan for a particular development project.

The City will update design standards for the Southwest Redevelopment Project Area, and develop new streetscape standards to implement its mixed-use land use objectives. The zoning code revisions will designate buffer zones and transitional areas to minimize land use incompatibilities between single-family residential areas and intensified commercial operations and mixed-use development. The Zoning Code revisions do not specify changes regarding noise in mixed-use areas; however, Implementation Program I-30, “Noise Ordinance,” seeks to minimize the effect of noise generated from industrial land uses on adjacent land uses.

Specific revisions to the Zoning Code will be completed to address:

- Maximizing the amount of pervious surfaces in new and infill developments;
- Integration of complementary uses in support of a safe community environment;
- A designation process for cultural resources to be listed on the city’s Local Register of Historic Resources, to include a broad range of historic resources including separate or individual buildings, structures, objects, and sites, as well as districts and archaeological resources;
- A process for review of projects related to historic resources outside of the Old Towne Historic District.
- Adaptive reuse of potential and listed historic resources—the city will consider provisions for including neighborhood character areas (NCAs) as a zoning overlay, and the following planning areas may be considered for this zoning revision: El Modena, Cypress Street Barrio, and the Railroad/Packinghouse Corridor;
- Development interface with Santiago Creek, the Santa Ana River, and other open space areas;
- Incorporation of sustainable development principles, such as the adoption of resource conservation measures for building codes and standards, and specifications for multi-modal transportation;
- Preparation of development standards that address National Pollutant Discharge Elimination System (NPDES) requirements.

Agency/Department: Community Development Department, Police Department, Public Works Department

Funding Source: General Fund

Time Frame: Updated by December 2030



Related Policies:

Land Use:	1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 2.7, 2.8, 2.9, 4.1, 4.2, 4.4, 4.5, 5.1, 5.2, 5.3, 6.1, 6.2, 6.4, 6.7, 6.8, 6.9, 8.1
Cultural Resources & Historic Preservation:	1.3, 1.4, 1.5, 2.1, 2.3, 3.2, 4.5
Public Safety:	2.3, 2.4, 3.3, 7.2, 7.5, 7.6, 9.1
Noise:	1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 4.3, 5.1, 5.2, 5.3, 6.1, 6.2, 7.3
Urban Design:	1.1, 1.4, 1.7, 4.1, 5.1, 5.2, 5.3, 6.1, 6.3, 6.6
Economic Development:	1.1, 1.3, 1.4, 4.5, 5.3, 5.5

**Program I-2 Land Use Policy Map and Focus Area
Development Objectives**

Ensure that City land use decisions are consistent with the policies of the Land Use Element and the land uses shown on the Land Use Policy Map. Using the development review process and other tools outlined throughout the General Plan, ensure that the development objectives specified for each of the eight focus areas described in the Land Use Element are achieved for new development and infill projects located in the focus areas.

Agency/Department:	Community Development Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Land Use:	All
Economic Development:	1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 3.1, 3.2, 3.3, 3.4, 7.1, 7.2



Program I-3 Specific Plans and Neighborhood Plans

Prepare, adopt, and implement specific plans and neighborhood plans consistent with state law to establish permitted densities, intensities, and uses within Orange for the systematic implementation of the General Plan.

Continue to implement and update, as needed, the following adopted specific plans and neighborhood plans:

- Archstone Gateway
- Chapman University
- East Orange General Plan (1975)
- Immanuel Lutheran Church
- Orange Park Acres
- Pinnacle at Uptown Orange
- St. John’s Lutheran Church and School
- Santa Fe Depot Area
- Serrano Heights
- Upper Peters Canyon
- Salem Lutheran Church and School
- Orange-Olive Residential

New specific plans may be permitted elsewhere within the planning area in the future. Through the specific plan process, encourage developers to include or provide:

- Context sensitivity and connectivity to surroundings,
- Complementary mix of uses,
- Pedestrian-oriented places,
- Transit-oriented design,
- Public spaces,
- Green spaces, and
- CPTED design features.

Agency/Department:	Community Development Department
Funding Source:	General Fund, private property owners
Time Frame:	As needed
Related Policies:	
Land Use:	2.1, 2.4, 3.4, 5.1, 5.2, 5.3, 5.5, 5.8, 5.9, 6.7, 6.10, 6.11, 7.1, 7.2
Circulation & Mobility:	3.2, 3.3
Public Safety:	7.2
Urban Design:	1.1, 5.1, 5.3, 6.1, 6.2, 6.4



Program I-4 Plans, Standards, and Guidelines

Adopt, review, implement, and update as necessary the following master plans, standards, and guidelines:

- *Bikeways Master Plan*
- *Residential Neighborhood Traffic Management Program*
- *Recreational Trails Master Plan*
- *Park Facilities, Recreation, and Community Services Master Plan*
- Grading Ordinance and hillside development regulations
- Scenic highway standards for Santiago Canyon Road, Jamboree Road, and Newport Boulevard
- *Historic Preservation Design Standards for Old Towne*
- *Eichler Design Standards*
- Design guidelines and/or standards for large complexes
- Historic preservation design standards for other historic districts and for individually listed historic resources.
- *Infill Residential Guidelines*
- *Street Tree Master Plan*
- *Master Utility Undergrounding Plan*
- *Tustin Street Design Standards*
- Design standards for areas where the General Plan is changing land uses, including the Southwest Project Area, Chapman Avenue, Katella Avenue, and South Main Street
- *Emergency Operations Plan* and “Know Your Way” evacuation routes
- *Fire Department Strategic Deployment Plan*
- *Fire Department Standards of Coverage Assessment (2015)*
- *Wildland Urban Interface (WUI) Pre-Plans* including:
 - *Tustin-Orange Foothills Fire Plan*
 - WUI Plans for:
 - *Anaheim Hills East*

IMPLEMENTATION



- Anaheim Hills West
- Cowen Lemon Heights
- East Orange-Orange Park Acres

- Fire Master Plan Guidelines
- Vegetation Management Guidelines – Technical Design for New Construction, Fuel Modification Plans, and Maintenance Program
- Water Master Plan
- Urban Water Management Plan
- Sewer Master Plan
- Storm Drain Master Plan
- NPDES Local Implementation Plan
- Public Library Facilities Master Plan
- Noise standards and guidelines for new construction in mixed-use districts
- Santiago Creek Vision Plan

Agency/Department:	Community Development Department, Public Works Department, Community Services Department, Police Department, Fire Department, Library Services Department, Economic Development Department
Funding Source:	General Fund, development fees, private contributions
Time Frame:	Ongoing
Related Policies:	
Land Use:	1.5, 1.7, 2.6, 2.7, 5.5, 5.6, 6.3, 6.4, 6.5, 7.1, 7.2
Circulation & Mobility:	1.4, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 6.1, 6.2
Natural Resources:	1.1, 1.2, 2.13, 2.14, 2.15, 2.16, 5.1, 5.3, 5.5, 5.6, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 7.1
Cultural Resources & Historic Preservation:	1.1, 1.3, 1.6, 5.1, 5.2, 5.3, 5.4, 5.5
Public Safety:	3.6, 3.7, 6.6, 6.7, 6.10, 8.4
Urban Design:	1.1, 1.2, 2.5, 5.3, 6.1, 6.2, 6.3, 6.6
Economic Development:	2.4, 5.1, 5.2, 5.3, 6.1, 6.2
Infrastructure:	1.1, 1.2, 4.2



Program I-5 Transfer of Development Rights Ordinance

Adopt a Transfer of Development Rights (TDR) ordinance to allow TDRs for the following purposes:

- To increase levels of residential densities at appropriate sites in areas designated Urban Mixed-Use, as described in Table LU-3 in the Land Use Element;
- To encourage well-designed high-rise development consisting of buildings 10 stories or higher at identified locations, as described in Table LU-4 and shown on Figure LU-8 in the Land Use Element;
- To expand and preserve open space in the Urban, Old Towne, and Neighborhood mixed-use land use designations, as described in Table LU-4 in the Land Use Element; and
- To provide incentives for preservation of listed historic resources or contributors to listed historic districts.

In each case, a Development Agreement between the property owner and City of Orange will be required.

Agency/Department:	Community Development Department
Funding Source:	General Fund
Time Frame:	Complete by 2022
Related Policies:	
Land Use:	2.2, 2.3, 2.8, 5.5
Natural Resources:	4.7
Cultural Resources & Historic Preservation:	3.2

Program I-6 Prepare Design Guidelines

Prepare new design criteria for public gathering spaces, commercial areas, rural development character, viewshed protection and preservation, and additional policies for mixed-use development and transit-oriented development as needed. New design criteria should also include landscape standards that provide open space buffers and other appropriate transitions between lower density, single-family neighborhoods and higher density development. Design criteria should also address standards for the provision of community gathering spaces within private development, incentives to provide accessible open spaces in commercial and mixed-use corridors, and guidelines for the preservation of visual points of interest throughout the community.

Agency/ Department:	Community Development Department
Funding Source:	General Fund
Time Frame:	Update complete by 2013
Related Policies:	
Land Use:	2.7, 2.8, 2.10, 8.1



Natural Resources:	1.3, 2.8, 7.5
Urban Design:	2.1, 2.4, 2.6, 2.7, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.5, 6.1, 6.2, 6.6

Program I-8 Code Enforcement

Continue to enforce property maintenance standards, adopted City Building Code, the Zoning Ordinance, the Noise Ordinance, and other provisions of the Orange Municipal Code.

Agency/Department:	Community Development Department, Police Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Land Use:	5.5, 6.1, 7.5
Urban Design:	5.2, 6.2
Noise:	1.2, 1.4, 7.2, 7.3
Public Safety:	3.3, 9.1
Economic Development:	4.1, 4.2

Program I-9 Building and Fire Codes

Continually update Building and Fire Codes to:

- Ensure that new development and retrofitted development reduce potential damage from earthquakes, floods, fire, wind, liquefaction, and other natural hazards; and
- Incorporate increased energy efficiency and green building and sustainable development strategies.

Agency/Department:	Community Development Department, Fire Department, Economic Development Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Public Safety:	1.1
Noise:	5.1, 6.1

Program I-10 City Master Plan of Streets and Highways

Use the established Capital Improvement Program process to implement the circulation system shown on the City Master Plan of Streets and Highways (Figure CM-2), the City will secure funding for roadway improvements, will design and build new roadways, and will



complete roadway repairs and improvements. Future roadways must meet roadway classification design specifications and performance criteria. To reduce the impacts of traffic on residential areas, encourage through traffic to use higher classification arterials as designated within the City’s Master Plan of Streets and Highways.

Agency/Department:	Public Works Department
Funding Source:	General Fund, development fees, and Renewed Measure M funds
Time Frame:	Ongoing
Related Policies:	
Circulation & Mobility:	1.1, 1.3, 2.1, 2.2, 2.5
Growth Management:	1.2, 1.11, 2.2
Economic Development:	2.4, 6.1, 6.2

Program I-11 Critical Intersection Program

To ensure that traffic flows meet the level of service (LOS) standards established in the Circulation & Mobility Element, roadway capacity in areas with excess traffic will be improved by restricting on-street parking, improving signal timing, widening intersections, adding through and turn lanes, and using other transportation systems management measures. Monitor the performance of Critical Intersections identified on Figure CM-2 in the Circulation & Mobility Element on an ongoing basis. Ensure that Critical Intersections approaching LOS D are prioritized for improvement within the City’s Capital Improvement Plan.

Agency/Department:	Public Works Department
Funding Source:	General Fund, Renewed Measure M funds, development fees, gas tax funds
Time Frame:	Ongoing
Related Policies:	
Circulation & Mobility:	1.2, 1.3
Growth Management:	1.1, 1.11
Economic Development:	2.4, 6.1, 6.2

Program I-12 Old Towne Parking District

Study the benefits of creating a parking district and the feasibility of expanding available public parking in areas surrounding the Plaza. Shared parking, consolidated parking facilities, parking structures, or underground parking should all be considered as potential strategies to provide additional off-street parking to meet future demands related to adaptive re-use and infill development in Old Towne.

Agency/Department:	Public Works Department, Community Development Department, Economic Development Department
Funding Source:	General Fund
Time Frame:	Feasibility study completed by 2025
Related Policies:	



Land Use:	2.5, 5.4
Circulation & Mobility:	5.1, 5.2, 5.3, 5.4
Urban Design:	6.2
Economic Development:	4.1, 4.2, 6.2

Program I-13 Pedestrian-Oriented Streetscape Master Plan

Prepare, adopt, and implement a pedestrian-oriented streetscape master plan as part of the City’s decision to enhance the walkability of public spaces, with the goal of promoting multi-modal transportation options. This plan will include the City’s key commercial corridors, such as Tustin Street, Chapman Avenue, Main Street, and Katella Avenue. The master plan should integrate concepts discussed for these corridors throughout the General Plan related to pedestrian facilities, streetscapes, urban green zones, façade improvements, and signage, including:

- Identifying pedestrian links that need improvement and strengthening;
- Determining new pedestrian links to underserved areas;
- Ensuring adequate sidewalk widths to accommodate lighting, street trees, benches, and trash cans;
- Establishing design character, standards, and guidelines for proposed outdoor spaces, paseos, and pedestrian paths;
- Incorporating more functional and appealing outdoor spaces, paseos, and pedestrian paths within retrofits of current streetscapes as well as within new development;
- Integrating public open space (e.g., plazas, neighborhood parks, pocket parks) in commercial and mixed-use corridors;
- Providing transit amenities such as bus stops, shelters, and lighting;
- Helping to reduce conflicts between land uses;
- Determining entry or gateway street design elements and standards;
- Minimizing barriers to pedestrian and bicycle access; and
- Incorporating CPTED concepts.

The Plan should include sidewalk, transit, open space, and landscape design and standards. The planning process will include an active public participation component.

Agency/Department:	Community Development Department, Public Works Department, Economic Development Department
Funding Source:	General Fund, development fees
Time Frame:	Adopt by 2025



Related Policies:

Land Use:	2.6, 2.7, 2.8, 3.3, 5.7, 5.9, 6.3, 6.6, 6.8, 8.1, 8.3
Circulation & Mobility:	1.1, 4.7, 6.1, 6.2, 6.3
Natural Resources:	2.2, 7.3
Urban Design:	1.1, 1.2, 1.3, 3.4, 3.5, 4.7, 6.6
Public Safety:	7.4, 9.1, 9.2, 9.3

Program I-14 Streetscape Improvement Program and City Scenic Highways

Develop a Streetscape Improvement Program for major and minor streetscapes, bikeways, and trails that includes standard plans and design criteria for unified lighting, paving materials, and patterns, and landscaping such as street trees, median and slope planting, and landscaped parkways.

The Streetscape Improvement Program also includes development of specific standards to define and designate the following City Scenic Highways:

- Jamboree Road
- Santiago Canyon Road
- Newport Boulevard

Agency/Department:	Community Development Department, Public Works Department, Community Services Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Circulation & Mobility:	6.1, 6.2, 6.3
Natural Resources:	7.2, 7.3, 7.4, 7.5
Urban Design:	1.1, 1.2, 1.3, 1.4, 1.5, 1.7, 1.8, 3.4
Economic Development:	5.2

Program I-15 Operating Budget

Continue to adopt and update the City’s Operating Budget to maintain current levels of City services, public facilities and infrastructure, and coordinate development of community facilities and amenities and capital projects.

Agency/Department:	City Manager
Funding Source:	General Fund. Secondary sources include special revenue funds (such as Proposition 172, Renewed Measure M funds), gas tax funds, enterprise funds, capital improvement funds, and housing funds
Time Frame:	Ongoing
Related Policies:	



Land Use:	1.2, 1.7
Natural Resources:	5.1, 5.2
Cultural Resources & Historic Preservation:	3.3, 3.4, 3.5, 5.2
Public Safety:	2.4
Economic Development:	2.2, 2.3

Program I-16 Certified Local Government Status

Apply to the Office of Historic Preservation (OHP) for inclusion in the Certified Local Government (CLG) program. Successful application includes meeting several requirements:

- Enact appropriate historic preservation regulations through an adopted historic preservation ordinance.
- Establish a qualified historic preservation review commission.
- Maintain a system for the survey and inventory of historic properties.
- Provide for adequate public participation in the historic preservation program.
- Satisfactorily perform the responsibilities delegated to the Certified Local Government.

Agency/Department:	Community Development Department
Funding Source:	General Fund
Time Frame:	Application submitted by 2025
Related Policies:	
Cultural Resources & Historic Preservation:	1.1, 1.2, 1.3, 2.2, 3.1, 3.3, 3.4

Program I-17 Local Historic Register

Create the City of Orange Register of Historic Resources (Historic Register), which will serve as the local register of historical resources under the California Environmental Quality Act (CEQA). Automatically include all resources previously designated, listed, or determined eligible for listing within the National Register of Historic Places or California Register.

- Establish a process for handling voluntary requests for listing in the Historic Register. Support coordination with property owners of potential historic resources identified on the Orange Inventory, so that such potential historic resources can more readily be listed in the Historic Register.
 - Establish a process for listing in the Historic Register those buildings, structures, objects, sites, or districts that meet the criteria.
-



- Establish procedures to remove historic resources from the Historic Register.
- Establish procedures for listing archaeological resources in the Historic Register. Employ appropriate criteria for evaluating potential significance of such archaeological resources as historical resources or unique archaeological resources under CEQA. Encourage voluntary listing of eligible archaeological resources.

Agency/Department: Community Development Department
 Funding Source: General Fund
 Time Frame: Register established by 2025, maintenance ongoing
 Related Policies:
 Land Use: 5.5
 Cultural Resources &
 Historic Preservation: 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 3.1, 3.2, 3.3, 3.4, 3.5

Program I-18 Eichler Historic Districts

Pursue historic landmark district designation for three Eichler tracts. Notify property owners in three Eichler tracts—Fairhaven, Fairhills, and Fairmeadow—of the intent to list each of the three tracts separately as local historic districts. Follow established procedures for Historic Register listing of each. Develop design standards and project review processed for Eichler Historic Districts.

Agency/Department: Community Development Department
 Funding Source: General Fund
 Time Frame: Landmark Districts established by 2015
 Related Policies:
 Cultural Resources &
 Historic Preservation: 1.4

Program I-19 Historic, Cultural, and Archaeological Resources Survey

Continue to maintain an accessible and periodically updated inventory of potential historic resources. All surveyed properties will be included in the City’s Inventory of Historic Resources (Orange Inventory), and the Orange Inventory will be a valuable planning tool to be used in evaluating possible impacts a proposed project might have on previously evaluated potential and identified historic resources. Surveys and survey updates may be conducted by City staff, historic preservation professionals, and/or representatives of local preservation organizations.

Properties that have attained 45 years of age and are located within a designated historic district or Neighborhood Character Area (NCA) shall be subject to survey and assessment by a qualified architectural historian prior to issuance of any permit for alteration or demolition.



Survey other areas where potential for historic resources may exist.

Identify smaller character areas that contain concentrations of potential or listed historic resources that reflect a unique sense of time and place.

Use the Orange Inventory to identify potential historic resources for purposes of CEQA, National Historic Preservation Act (NHPA), and National Environmental Protection Act (NEPA) review of proposed projects. Only if potential historic resources in the Orange Inventory are listed in or eligible for listing in the California Register for CEQA or the National Register for the NHPA and NEPA shall they have a presumption of significance pursuant to CEQA Section 21084.1 and be treated as historical resources under CEQA.

Potential historic resources identified in the Orange Inventory may be listed in the Historic Register if they meet criteria for listing in the California Register. The City’s Historic Resources Inventory may be regularly updated by the Planning Division to reflect corrections and modifications to the associated database and survey forms without the need to bring those changes to the Planning Commission for adoption.

Agency/Department:	Community Development Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Cultural Resources &	
Historic Preservation:	1.1, 1.3, 1.4, 1.5, 1.6, 2.1, 2.2, 4.1, 4.6
Urban Design:	5.4

Program I-20 Historic Preservation Incentives

Actively pursue grants, loans, and other incentives to encourage historic preservation. Consider implementing conservation easements.

Develop a revolving loan program for maintenance and rehabilitation work, consistent with design standards, on listed historic resources and on resources that are contributors to listed historic districts.

Develop a voluntary conservation easement program to preserve listed historic resources and contributors to listed historic districts. Provide a potential tax benefit to property owners. Establish a partnership with local preservation organizations to accept, hold, and manage conservation easements on historic resources. Enable Mills Act contracts for additional designated historic districts.

Agency/Department:	Community Development Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	



Cultural Resources &
 Historic Preservation: 1.4, 2.2, 2.3, 3.1, 3.2, 3.3, 3.4, 3.5
 Urban Design: 5.4
 Economic Development: 1.2, 5.3

Program I-21 Commemorative Plaque Program

Explore establishing a commemorative plaque program to allow public recognition of properties listed on the Historic Register. Develop and administer standards and guidelines for properties eligible for the commemorative plaque program.

Agency/Department: Community organizations in coordination with the Community Development Department
 Funding Source: Private contributions
 Time Frame: Ongoing
 Related Policies:
 Cultural Resources &
 Historic Preservation: 2.2, 3.1

Program I-22 Historic Context Statement and Survey

Periodically update the Historic Context Statement prepared in tandem with the General Plan Update to add recent historic events.

Officially recognize the recently completed historical and archaeological resources survey prepared in tandem with the updated General Plan. Update and maintain the inventory using the City’s Geographic Information System (GIS).

Agency/Department: Community Development Department
 Funding Source: General Fund
 Time Frame: Ongoing
 Related Policies:
 Cultural Resources &
 Historic Preservation: 1.1, 1.3, 1.6, 3.1

Program I-23 Neighborhood Character Areas

Designate El Modena, Cypress Street Barrio, the Railroad/Packinghouse Corridor, and Orange Park Acres as Neighborhood Character Areas (NCAs) by establishing an NCA overlay zone and appropriate standards and regulations in the Zoning Code.

Develop and administer design guidelines appropriate to each designated NCA.

Agency/Department: Community Development Department, City Council
 Funding Source: General Fund



Time Frame: Complete by 2025
Related Policies:
Cultural Resources &
Historic Preservation: 1.1, 2.1, 2.2, 2.3

Program I-24 Community Character Design Elements

Update design guidelines to incorporate the elements of community design character that reflect Orange’s historic and cultural background. Require new development to incorporate the elements of the community’s character and design into its projects. Determine how to retrofit the existing commercial, industrial, institutional, and mixed-use areas to include the community character elements. Community character elements can include but are not limited to architectural style, landscape style, streetscape, and signage.

Agency/Department: Community Development Department
Funding Source: General Fund
Time Frame: Ongoing
Related Policies:
Urban Design: 3.2, 3.3, 4.5, 5.1, 5.2, 5.3, 6.6

Program I-25 Green Space Incentives

Seek and develop appropriate incentives for project applicants and developers that provide public access to private green spaces in new, infill, and existing development projects. Work to establish neighborhood identity through the use of green spaces.

Establish a program to transfer to the City, through land exchanges, purchases, or long-term no-fee leases, land that is not currently in productive use, such as derelict land, tax delinquent land, surplus road and highway rights-of-way, and other land located adjacent to existing open spaces, waterways, or trails.

Agency/Department: Community Development Department, Community Services Department
Funding Source: General Fund, grants, bond funding
Time Frame: Complete by 2016
Related Policies:
Land Use: 2.3, 2.8, 6.3, 6.4
Natural Resources: 1.1, 1.2, 1.3, 6.6, 7.1, 7.5
Urban Design: 3.5, 4.5



Program I-26 Joint-Use Agreements for Parks and Open Space

Continue to implement and expand the use of joint-use agreements to increase the parks and open space resources available to Orange residents. Specifically, seek to expand joint-use agreements with the Orange Unified School District, Chapman University, Southern California Edison, and the Orange County Flood Control District. Investigate conversion or joint use of surplus or otherwise underutilized lands, including railroad and public utility rights-of-way, for open space use.

Agency/Department:	City Manager’s Office, Community Services Department, Public Works Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Land Use:	7.6
Natural Resources:	1.2, 5.3

Program I-27 Fire Hazard Information, Prevention and Suppression

Information:

- Continue to evaluate and update information available to the City regarding potential fire hazards and hazard areas.
- Provide public information regarding fire safety and defensible space surrounding residences and businesses.
- Support localized efforts to become a Firewise Community.
- Continue to distribute the City’s Fire Master Plan Guidelines to developers.
- Maintain the City’s mass emergency notification mechanism for the release of public information during a major event.
- Educate the public about the designated evacuation routes throughout the City in the City’s “Know Your Way” plan and as shown on the Police Departments website.

Prevention:

- Use Wildland Fuel Modification guidelines for controlling vegetation in undeveloped areas, and Wildland Urban Interface Code and weed abatement standards. Implement the adopted Vegetation Management Guideline – Technical Design for New Construction, Fuel Modification Plans, and Maintenance Program. Utilize Minimum Impact Suppression Techniques (MIST) for wildland urban interface wildfires to minimize unnecessary eradication of natural habitat.

IMPLEMENTATION



- Conduct pre-planning project review by City staff; implement the California Building and Fire Codes, as adopted and emended by City Council ordinance; conduct water supply assessments prior to new construction and fire flow testing after construction; condition of entitlements; enforce of defensible space requirements in the Very High Fire Severity Zone (VHFSZ); and adhere to development restrictions and maintenance requirements in the codified VHFSZ.
- Identify engineering vulnerabilities in overhead power lines for exposure to or threats of wildland fire.
- Obtain compliance with State Responsibility Area Fire Safe Regulations, the California Building and Fire Codes as adopted and amended by City Council ordinance, and the City's Fire Master Plan Guidelines for legally non-confirming private properties as nexus is established to require improvements.

Suppression:

- Continue to utilize the City's Emergency Operation Plans (EOP) via existing pre-plans including the Tustin-Orange Foothills Fire Plan, and the Wildland Urban Interface (WUI) Plans for Anaheim Hills East, Anaheim Hills West, Cowan Lemon Heights, and East Orange-Orange Park Acres. Continue to update and refine the area plans to reflect and adapt to plan-area fire history. Utilize the WUI pre-plans to prioritize asset protection when faced with a lack of suppression forces.
- Maintain average response times, up-to-date technology, mutual aid agreements, coordinated regional communications systems, sufficient fire-fighting infrastructure and personnel, and training.
- Use the Fire Department Deployment Plan.
- Continue to implement the short- and long-term steps identified in the Standards of Coverage Assessment created in 2015.
- Continue to implement the Strategic Plan for the Orange City Fire Department.

Agency/Department:	Fire Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Public Safety:	3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 6.6, 6.7



Program I-29 Hazardous Materials Monitoring

Continue to assess risks associated with hazardous materials and develop mitigation measures accordingly. Identify hazardous material release sites and ensure that the sites are appropriately remediated.

Agency/Department:	Fire Department, Public Works Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Public Safety:	4.1, 4.2, 4.3

Program I-30 Noise Regulations

Continue to enforce the City’s Noise Ordinance limits to limit the effect of noise on residential land uses. Revise the Zoning Ordinance to achieve the following:

- Limit the hours of deliveries to commercial, mixed use, and industrial uses adjacent to residential and other noise sensitive land uses;
- Limit the hours of operation for commercial/retail/entertainment uses to limit noise intrusion into nearby residential and other noise sensitive land uses;
- Limit the hours of operation of high noise-generating industrial equipment;
- Limit the hours of operation for refuse vehicles and parking lot sweepers if their activity results in an excessive noise level that adversely affects adjacent residential uses;
- Require the placement of loading and unloading areas so that commercial buildings shield nearby residential land uses from noise generated by loading dock and delivery activities. If necessary, additional sound barriers shall be constructed on the commercial sites to protect nearby noise sensitive uses;
- Require the placement of all commercial HVAC machinery to be placed within mechanical equipment rooms wherever possible. (Equipment manufacturer’s specifications for venting and access to outside air shall be maintained); and
- Require the provision of localized noise barriers or rooftop parapets around HVAC, cooling towers, and mechanical equipment so that line-of-sight to the noise source from the property line of the noise sensitive receptors is blocked. (Equipment manufacturer’s specifications for venting and access to outside air shall be maintained).

Agency/Department:	Community Development Department, Police Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Noise:	1.4, 1.5, 5.1, 5.2, 5.3, 6.2, 7.2, 7.3, 7.4



Program I-31 Orange Public Library Programs

Continue to implement the City’s *Public Library Facilities Master Plan (2002-2020)*. Continue to work to ensure that the California State Library–recommended standard of four volumes and 0.7 square foot per capita is maintained and that the City’s library services needs are met as future development occurs.

Continue to promote and provide additional resources for the Orange Public Library Local History Collection.

Maintain and enhance the Preservation Resource Center within the Orange Public Library & Local History Center that provides access to information about historic preservation regulations and benefits, technical assistance materials, and information about research methods and collections.

Agency/Department:	Library Services Department
Funding Source:	General Fund, private contributions
Time Frame:	Ongoing
Related Policies:	
Cultural Resources & Historic Preservation:	2.2, 3.1, 4.5, 4.6, 5.1, 5.2, 5.3, 5.4, 5.5

Program I-32 Flood Control and Storm Drain Facilities

Continue to inspect storm drains, remove debris from catch basins as needed, and evaluate and monitor water storage facilities to determine if they pose a water inundation hazard.

Agency/Department:	Public Works Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Natural Resources:	2.13, 2.14, 2.15, 2.17
Public Safety:	2.3
Infrastructure:	1.3, 1.6

Program I-33 Solid Waste and Recycling Services

Continue to contract for provision of solid waste and recycling services. Ensure that community needs for solid waste disposal and recycling are being met. Expand community outreach and education regarding residential recycling opportunities and household hazardous wastes.

Agency/Department:	Public Works Department
Funding Source:	General Fund, user fees
Time Frame:	Ongoing
Related Policies:	



Land Use:	7.4
Infrastructure:	2.1, 2.2, 2.3

Program I-34 Noise Standards and Acoustical Studies

Review development proposals to ensure that the noise standards and compatibility criteria set forth in the Noise Element are met. Consult Noise Element guidelines and standards for noise compatible land uses to determine the suitability of proposed developments relative to existing and forecasted noise levels. Enforce the California Noise Insulation Standards to ensure an acceptable interior noise level of 45 A-weighted decibels (dBA) community noise equivalent level (CNEL) in habitable rooms.

Develop noise impact analysis guidelines that describe the City's desired procedure and format for acoustical studies. Acoustical studies will be required for all discretionary projects where any of the following apply:

- The project includes a noise-sensitive land use that is located within the existing or future 65 dBA CNEL contour for transportation noise sources.
- The project will cause future traffic volumes to increase by 25 percent or more on any roadway that fronts residential, institutional, or open space land uses.
- The project will expose a noise-sensitive land use to a stationary noise source or vibration source exceeding the standards outlined in the Noise Element. Such stationary sources may include mechanical equipment operations, entertainment venues, industrial facilities, and property maintenance.
- The project includes a noise-sensitive land use in the vicinity of existing or proposed commercial and industrial areas.
- The project is a mixed-use development that includes a residential component. The focus of this type of acoustical study is to determine likely interior and exterior noise levels and to recommend appropriate design features to reduce noise.

An acoustical analysis prepared in accordance with the Noise Element shall:

- Be the financial responsibility of the applicant seeking City approval of a project;
- Be prepared by a qualified person experienced in the fields of environmental noise assessment and architectural acoustics;
- Include representative noise level measurements with sufficient sampling periods and locations to adequately describe local conditions and predominant noise sources;
- Estimate existing and projected cumulative (20 years) noise in terms of CNEL or L_{eq} , and compare those noise levels to the adopted standards and policies of the Noise Element;



- Recommend appropriate mitigation to achieve compliance with the adopted policies and standards of the Noise Element. Where the noise source in question consists of intermittent single events, the report must address the effects of maximum noise levels in sleeping rooms in terms of possible sleep disturbance;
- Estimate noise exposure after the prescribed mitigation measures have been implemented; and
- Describe a post-project assessment program that could be used to evaluate the effectiveness of the proposed mitigation measures.

Agency/Department:	Community Development Department
Funding Source:	Development fees
Time Frame:	Ongoing
Related Policies:	
Land Use:	3.4, 6.10
Noise:	1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 2.1, 2.2, 2.5, 3.1, 5.1, 6.1

Program I-35 Climate Action Plan

The City of Orange shall develop and adopt a Climate Action Plan (CAP). The CAP will have two primary objectives: (1) reduce total greenhouse gas (GHG) emissions in the City by at least 15 percent from current levels by 2020, and (2) create adaptation strategies to address the likely impacts of climate change on the City, such as increased risk of flooding, diminished water supplies, increased risks of wildfire, and risks to public health. The CAP will contain the following chapters:

Climate Change and Orange—The first chapter of the CAP will outline the City’s rationale and motivation for addressing climate change by developing and implementing the CAP. The chapter will provide a brief overview of the science behind climate change, will describe the potential impacts that climate change may create in Orange, and will outline state policy mandates to reduce GHG emissions.

Baseline GHG Emissions Inventory and Forecast— In this chapter, the City will calculate GHG emissions for the base year, forecast emissions in 2020 under a business-as-usual scenario, and describe the GHG reductions necessary to achieve the City’s adopted target. The City will make best efforts to evaluate all reasonable sources of GHG emissions. The chapter will identify GHG emissions and target levels per sector. Sectors to be described in the inventory will include municipal operations, residential, commercial, industrial buildings, motor vehicles, and waste. This inventory and forecast shall provide a benchmark for planning and monitoring progress in government operations and the community. The GHG inventory shall be conducted using a methodology consistent with that used by other local governments and will be completed within 1 year after the effective date of adoption of the General Plan.



GHG Emissions Policies and Measures— This chapter will describe the policies and measures that are necessary to reduce GHG emissions in the City and achieve the reduction target. Policies and measures will be created with public input from all stakeholders. Each measure will be enforceable, include a timeline, describe financing mechanisms, and assign responsibility to relevant agencies and departments. In addition to direct GHG reduction measures, the chapter will incorporate public education efforts to raise awareness on the importance of minimizing GHG emissions and methods for reducing emissions from individual lifestyles. These policies and measures will be developed within two years after the effective date of adoption of the General Plan. The effectiveness of policies and measures will be evaluated annually and will be modified as necessary to achieve the City’s reduction goals.

Because the CAP is to be implemented over a period of several years, it is likely that the scientific, federal, and state policy frameworks surrounding climate change measures will evolve. The CAP will adapt its policies, measures, and programs to ensure successful reduction of GHG emissions, protection of the City, and compliance with regulations.

Protection and Adaptation Strategies—The fourth chapter of the CAP will describe strategies that will be used to protect the City from and facilitate adaptation to the potential effects of climate change. Potential effects to be evaluated include but are not limited to sea level rise, increased frequency and magnitude of flooding, diminished water supply, habitat loss, and possible effects on public health and the local economy. Each measure will include a timeline, describe financing mechanisms, and assign responsibility to relevant agencies and departments.

Benchmarks and Next Steps—In conclusion, the CAP will identify benchmarks, monitoring procedures, and other steps needed to ensure the City achieves its GHG reduction, protection, and adaptation goals. Monitoring and verifying progress on the GHG emissions reduction measures will be conducted on an annual basis. Monitoring will provide important feedback that can be used to demonstrate overall progress toward emissions reduction targets and improve measures over time. Benchmarks will be established to serve as intermediate goals and to motivate compliance with City and private-sector reduction targets. Benchmarks for strategic responses to climate change impacts should be based on the expected time scale of the specific impact and will be established during the development of individual strategic plans.

CAP Relationship to the General Plan—Implementation strategies identified in the CAP will be incorporated as implementation measures of the General Plan through amendment within one year of completion. Revisions to CAP policies and measures and subordinate strategic programs may require further General Plan amendments.

Agency/Department:	Community Development Department
Funding Source:	General Fund, grants and state assistance (if available)
Time Frame:	To be developed and adopted by December 31, 2012
Related Policies:	See those policies identified in Table NR-1



Program I-36 Park Dedication Ordinance

Adopt a parkland dedication ordinance that requires dedication of parkland at a ratio of 3.0 acres per 1,000 population or payment of in-lieu fees, pursuant to Quimby Act requirements.

Agency/Department:	Community Development Department, Community Services Department
Funding Source:	General Fund
Time Frame:	Complete by 2020
Related Policies:	
Natural Resources:	5.6, 5.7

Program I-37 Vehicle Noise Reduction

Implement the following strategies to reduce vehicular traffic noise throughout the City:

- Review and designate local truck routes to reduce truck traffic in noise sensitive land uses areas.
- Consider the use of traffic calming devices, to reduce traffic speed in residential zones.
- Consider the use of alternative paving materials, such as open graded asphalt, to reduce traffic noise where determined feasible and cost efficient.

Agency/Department:	Public Works Department, Community Services Department
Funding Source:	State and federal grants, Development fees
Time Frame:	Ongoing
Related Policies:	
Noise:	2.1, 2.2, 2.3, 2.4, 2.5



II. Physical Improvements and Capital Projects

Program II-1 Capital Improvement Program

Continue to implement and update the City’s *Capital Improvement Program* (CIP) to:

- Address phasing, construction, and maintenance of improvements to roadways, infrastructure, streetscapes, signage, and City-owned parks throughout the City;
- Acquire and expend funds from available transportation financing and other programs to assist in financing new roadways and trails;
- Manage construction of new parks and improvements to current parklands and park facilities;
- Facilitate construction of a network of multi-use trails that connects the City’s parks and open spaces;
- Improve and expand Orange Public Library facilities;
- Ensure timely completion of required roadway infrastructure associated with new and infill development;
- Maintain City-owned and operated facilities; and
- Maintain publicly owned potential and listed historic resources.

Use the 5-year CIP process to prioritize, finance, and complete roadway, infrastructure, and parks projects identified in the CIP. Update the CIP on an annual basis to respond to changes in local priorities and available funding sources. Require future CIP update processes to include a public outreach component.

Agency/Department:	All departments
Funding Source:	General Fund, transportation funds, and grants, as identified in the CIP. Secondary sources include special revenue funds (such as Proposition 172, Renewed Measure M Funds), gas tax funds, enterprise funds, and capital improvement funds.
Time Frame:	Ongoing, with annual updates in-cycle with City budget process
Related Policies:	
Land Use:	1.7, 2.5, 2.6, 5.4, 5.6, 5.7, 5.9, 6.3, 6.7, 6.8, 8.1, 8.3
Circulation and Mobility:	1.1, 1.6, 2.2, 2.3, 2.4, 4.1, 4.6, 4.8, 5.1
Natural Resources:	6.1, 6.6
Cultural Resources & Historic Preservation:	1.6, 3.5, 5.1, 5.2
Urban Design:	4.3, 4.4
Economic Development:	2.4, 6.1, 6.2
Infrastructure:	1.1
Growth Management:	1.2, 1.11, 2.2



Program II-2 Metropolitan Drive Extension

To further improve circulation near The Block at Orange shopping area and to improve access to Interstate 5, extend Metropolitan Drive from The City Drive/State College Boulevard to the Metropolitan Drive/Rampart Street connection.

Agency/Department: Public Works Department
Funding Source: Determined by CIP
Time Frame: Determined by CIP
Related Policies:
Circulation & Mobility: 1.1, 2.1, 2.2

Program II-3 Santiago Creek Bike Trail

Complete additional segments of a bike trail adjacent to Santiago Creek to extend through the City along the creek, and connect the regional Santa Ana River trail to Santiago Oaks Regional Park and wilderness areas east of Orange.

Agency/Department: Community Services Department
Funding Source: Determined by Recreational Trails Master Plan
Time Frame: Determined by Recreational Trails Master Plan
Related Policies:
Circulation & Mobility: 4.1, 4.4, 4.5
Natural Resources: 6.1, 6.2

Program II-4 Pedestrian and Bicycle Amenities

Provide appropriate bicycle and pedestrian amenities along City bikeways, trails, and sidewalks. Specific amenities may include bicycle racks, bicycle storage, water fountains, benches, trash cans, and emergency call boxes. Encourage private development projects to provide these amenities as well, especially within mixed-use areas and along the City's commercial corridors.

Identify a range of funding opportunities to enable extension of existing trails and development of new trails.

Agency/Department: Community Services Department, Community Development Department, Public Works Department
Funding Source: General Fund, grants
Time Frame: Ongoing



Related Policies:

Circulation & Mobility:	4.2, 4.4
Natural Resources:	2.8, 6.1, 6.6
Public Safety:	9.1, 9.3
Growth Management:	1.9

Program II-5 Emergency Operations Center

Maintain, equip, and update the Emergency Operations Center on an ongoing basis to improve public safety and response by agencies.

Continue to train, license, and/or certify Police and Fire Department staff via programs or drills meeting standards of or available through the Emergency Operation Center (EOC).

Agency/Department:	City Manager’s Office, Fire Department, Police Department
Funding Source:	General Fund, state and federal funds, grants
Time Frame:	Ongoing
Related Policies:	
Public Safety:	1.2, 3.4, 3.6, 5.1, 6.1, 6.2, 6.3, 6.5, 6.6, 8.2, 8.3, 8.4

Program II-6 Correct Sewer System Deficiencies

Repair and improve all areas that were identified in the 2012 Sewer Master Plan Update as having system deficiencies based on available resources and continue to identify anticipated deficiencies in the system. The City will make improvements to areas with frequent blockages or “hot-spots.” Developers shall also be required to pay the cost of providing new and improved wastewater services to project sites.

Agency/Department:	Public Works Department
Funding Source:	State and federal grant funds, Development fees
Time Frame:	Ongoing
Related Policies:	
Infrastructure:	1.1, 1.2, 1.6



III. Conditions or Requirements Placed upon Applicants during Development Review

Program III-1 California Environmental Quality Act

Comply with all provisions of CEQA. In addition to thresholds that may be established or adopted by the City in the future, use the following thresholds and procedures for CEQA analysis of proposed projects, consistent with policies adopted within the General Plan:

- **Circulation & Mobility**
 - In accordance with CEQA Guidelines Section 15064.3, the City shall utilize vehicle miles traveled (VMT), to measure transportation impacts.
 - A project would result in a significant project-generated VMT impact if the baseline and/or cumulative project-generated VMT per service population exceeds the City of Orange General Plan Buildout VMT per service population.
 - The project's effect on VMT would be considered significant if it resulted in baseline and/or cumulative link-level boundary citywide VMT per service population increases under the plus project condition compared to the no project condition.
- **Parks and Recreation**
 - The City shall require dedication of parkland at a rate of 3.0 acres per 1,000 anticipated residents or payment of in-lieu fees for new residential projects.
- **Noise**
 - The City shall apply the noise standards specified in Tables N-3 and N-4 of the Noise Element to proposed projects analyzed under CEQA.
 - In addition to the foregoing, an increase in ambient noise levels is assumed to be a significant noise impact if a proposed project causes ambient noise levels to exceed the following:
 - Where the existing ambient noise level is less than 65 dBA, a project related permanent increase in ambient noise levels of 5 dBA CNEL or greater.
 - Where the existing ambient noise level is greater than 65 dBA, a project related permanent increase in ambient noise levels of 3 dBA CNEL or greater.
- **Historic and Cultural Resources**
 - "Historical resource" for the purposes of CEQA shall mean "historic district" in the case of a contributor to a historic district.
 - Historic resources listed in the Historic Register shall have a presumption of significance pursuant to CEQA Section 21084.1 and shall be treated as historical resources under CEQA.



- The historical significance of an archaeological historic resource is evaluated using the criteria of Public Resources Code Section 5024.1 and Section 15064.5 et seq. of the state CEQA Guidelines.

All future development proposals shall be reviewed by the City for potential regional and local air quality impacts per CEQA. If potential impacts are identified, mitigation will be required to reduce the impact to a level less than significant, where technically and economically feasible.

Agency/Department:	Community Development Department, Public Works Department, Community Services Department
Funding Source:	General Fund, development fees
Time Frame:	Ongoing
Related Policies:	
Circulation & Mobility:	1.1, 1.2
Natural Resources:	2.2, 2.8, 5.6
Cultural Resources & Historic Preservation:	1.1, 1.3
Noise:	1.4
Growth Management:	1.1, 2.1

Program III-2 Site Development Review

Comply with all City procedures in the review of proposed development projects, and use the site plan review process to ensure that applicable General Plan policies and City standards and regulations are applied to proposals for specific development projects.

Agency/Department:	Community Development Department, Public Works Department, Police Department, Fire Department, Community Services Department
Funding Source:	Development fees
Time Frame:	Ongoing
Related Policies:	
Land Use:	1.6, 1.7, 2.5, 2.7, 2.8, 3.1, 3.4, 4.3, 4.5, 6.1, 6.2, 6.9, 6.10, 6.12
Circulation & Mobility:	1.1, 1.7, 5.1, 5.2
Natural Resources	1.3, 2.3, 2.6, 2.13, 2.14, 2.15, 2.16, 4.3, 4.4, 4.5, 5.4, 5.6, 5.7, 6.6, 7.5
Cultural Resources & Historic Preservation:	1.3, 1.4, 1.5, 1.6, 4.1, 4.2, 4.3, 4.4, 4.5
Public Safety:	1.1, 2.5, 3.3, 3.4, 3.5, 3.7, 3.8, 3.9, 3.10, 4.2, 4.3, 6.2, 7.2, 7.3, 7.4, 9.1
Noise:	1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 2.1, 2.2, 5.1, 5.2, 5.3, 6.1, 6.2
Urban Design:	2.4, 2.5, 2.6, 3.4, 3.5, 6.1
Infrastructure:	1.4, 1.5



Program III-3 Commission/Committee Review

Orange has several commissions and one committee whose purpose is to advise and assist the City Council in dealing with issues related to each commission’s or committee’s area of concern. The commissions and committee gather pertinent information, hear arguments, weigh values, and make recommendations to the Council. Several of the commissions also have some administrative powers.

The City will continue to use the commission/committee structure to inform the public decision-making process.

The City will also consider expanding the authority of the Design Review Committee and Community Development Department’s staff to administer the Orange Historic Resources Inventory, Historic Register listings, and design review procedures for projects involving architectural and archaeological resources.

Agency/Department:	City Council, Community Development Department, Community Services Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Land Use:	2.5, 2.6, 2.7, 2.8, 3.1, 3.2, 4.5, 5.5, 5.8, 5.9, 6.1, 6.2, 6.3, 6.4, 6.7, 6.11, 8.1, 8.2, 8.3
Circulation & Mobility:	1.3, 2.3, 3.2, 4.1, 6.1
Cultural Resources & Historic Preservation:	1.1, 1.3, 1.4, 4.5, 4.6
Urban Design:	1.1, 6.1
Public Safety:	1.1, 3.5, 4.3, 7.4
Economic Development:	1.2, 2.5, 3.3, 4.5, 5.1, 5.2, 5.3, 5.4, 5.5

Program III-4 Traffic Impact Analyses

Require preparation of traffic impact analyses for new discretionary development projects. A traffic impact analysis which includes VMT assessment shall be required for a proposed project that does not satisfy the project screening criteria. For projects that increase V/C by 0.01 or more on affected roadway segments or intersections experiencing LOS E or LOS F conditions without the proposed project, traffic impact analyses must propose binding reduction strategies to be incorporated within the project.

Continue to update guidelines for the preparation of traffic impact analyses to reflect local conditions and industry standards.

Agency/Department:	Public Works Department
Funding Source:	Development fees
Time Frame:	Ongoing



Related Policies:

Land Use:	2.5, 6.10
Circulation & Mobility:	1.1
Growth Management:	1.2, 1.6

Program III-5 Transportation Demand Management Plans

Require major employers of 100 persons or more to institute transportation demand management (TDM) plans. Such plans establish incentives to encourage employees to carpool, take public transportation, bicycle, or use some means other than private automobiles to get to and from work.

Agency/Department:	Community Development Department, Public Works Department
Funding Source:	Development fees
Time Frame:	Ongoing
Related Policies:	
Circulation & Mobility:	2.6
Natural Resources:	2.1, 2.2
Growth Management:	1.12

**Program III-6 National Pollutant Discharge
Elimination System Compliance**

Before making land use decisions, the City will utilize available methods to estimate increases in pollutant loads and flows resulting from projected future development.

The City will follow the most current NPDES permit and countywide Model WQMP and the *City Local Implementation Plan* to ensure that the City complies with applicable federal and state regulations. Applicants for new development and redevelopment projects shall prepare and submit plans to the City, as well as implement plans demonstrating accomplishment of the following:

- Emphasize the need to implement and prioritize the use of low impact development BMPs that provide onsite infiltration and retention;
- Use biotreatment systems such as flow through planters, wetlands and bioswales where infiltration, evapotranspiration, and harvest and reuse are not feasible;
- Limit areas of impervious surfaces and preserve natural areas;
- Limit directly connected areas of impervious surfaces;
- Limit disturbance of natural water bodies, natural drainage systems, and highly erodible areas;



- Use structural and nonstructural best management practices (BMPs) to mitigate projected increases in pollutant loads and flows;
- Use pollution prevention methods, source controls, and treatment with small collection strategies located at or as close as possible to the source;
- Control the velocity of pollutant loading flows during and after construction; and
- Implement sediment and erosion protection during construction.

In addition, applicants for large development projects are required to prepare and implement plans that meet site predevelopment hydrologic conditions and to control runoff on-site where technically feasible.

Agency/Department:	Public Works Department, Community Development Department
Funding Source:	Development fees
Time Frame:	Ongoing
Related Policies:	
Land Use;	4.3, 6.5
Natural Resources:	2.12, 2.13, 2.14, 2.15, 2.16, 2.17
Public Safety:	2.3

Program III-7 Water Services and Supplies

As needed, require studies to determine water infrastructure requirements for future development projects, and require that any recommendations be incorporated into the design of projects. Require the dedication of necessary right-of-way and construction of water infrastructure improvements for development projects as needed. Developers shall also be required to pay the cost of providing new and improved water services to project sites. Require fire flow testing after construction.

For projects that satisfy the criteria set forth in Sections 10910–10915 of the California Water Code and Section 66473.7 of the Government Code, a water supply assessment or water supply verification demonstrating available water supplies exist to support development shall also be prepared.

Agency/Department:	Community Development Department, Public Works Department
Funding Source:	Development fees, General Fund
Time Frame:	Ongoing
Related Policies:	
Infrastructure:	1.1, 1.4, 1.6
Public Safety:	3.7



Program III-8 Adequate Public Safety and Emergency Response

During the development application process, consult with Fire and Police Departments to evaluate the need for additional fire and police facilities or resources to serve new development projects and infill development areas. During updates to the Capital Improvement Program process, coordinate with service providers to evaluate the level of fire and police service provided to the community. Require adequate street widths and clearance for emergency access. Provide all appropriate safety features. Continue to use state-of-the-art techniques, technology, and training to enhance public safety.

Adhere to requirements in the Municipal Code for adequate street widths and clearance for emergency access. Integrate CPTED techniques into development projects and practice active surveillance measures in high-risk areas such as parking lots.

The City shall use open space easements and other regulatory techniques to prohibit development and avoid public safety hazards where the threat from seismic hazards cannot be mitigated. Utilize and update as necessary established designated evacuation routes throughout the City in the City’s “Know Your Way” Plan and as shown on the Police Department website and utilize Primary Evacuation Plans, Evacuation Trigger Points, and Temporary Evacuation Assembly Points identified in the Fire Department Wildland Urban Interface pre-plan documents for wildfire incidents.

Maintain and update the City’s Emergency Operations Plan as needed, and ensure ongoing consistency between the General Plan, the Emergency Operations Plan, and the Fire Department Strategic Deployment Plan.

Continue to adopt and honor agreements with adjacent communities for mutual aid assistance. Specifically, continue to utilize Standard Emergency Management System (SEMS) and National Incident Management System (NIMS) for local and master mutual aid agreements. Continue to utilize the “SOLAR Plan” (San Bernardino County, Orange County, Los Angeles County, Anaheim, Riverside County) for coordinated radio frequency communications.

Ensure that the Fire Department has sufficient capacity, stations, personnel, training, technology, and equipment to meet growth needs in the City of fire protection and related emergency services. Continue to implement the short- and long-term steps identified in the Standards of Coverage Assessment created in 2015. Continue to implement the Strategic Plan for the Orange City Fire Department.

Continue to train, license, and/or certify Fire Department staff via programs or drills meeting standards of or available through: the Emergency Operation Center (EOC), the National Fire Protection Association (NFPA), the California Emergency Medical Services Authority (EMSA), the Joint Apprenticeship Committee (IAC), and RT-130: Wildfire Fire Safety Training Annual Refresher (WFSTAR).

Maintain the City’s mass emergency notification mechanism for the release of public information during a major event.

Agency/Department: Community Development Department, Public Works Department, Police Department, Fire Department

Funding Source: Development fees, General Fund



Time Frame:	Ongoing
Related Policies:	
Public Safety:	3.4, 3.7, 4.4, 6.1, 6.2, 6.3, 6.4, 6.6, 6.7, 6.8, 6.9, 6.10, 6.11

Program III-9 Geologic Hazard Assessments

Pursuant to state law, geologic and/or geotechnical studies are required for proposed new development projects located in areas identified as susceptible to landslides and liquefaction and binding mitigation strategies must be adopted. Compliance with the recommendations set forth in site-specific geologic and/or geotechnical studies will be made a condition of approval for new development. In addition, the City may require applicants to incorporate measures to stabilize and maintain slopes on a site-by-site basis, such as proper planting, irrigation, retaining walls, and benching.

Agency/Department:	Community Development Department, Public Works Department
Funding Source:	Development fees
Time Frame:	Ongoing
Related Policies:	
Land Use:	6.9, 6.10
Public Safety:	1.1

Program III-10 Cultural Resources Inventories

Require cultural resources inventories of all new development projects in areas identified with medium or high potential for archeological, paleontological, or cultural resources based on resource sensitivity maps prepared in conjunction with the General Plan.

Where a preliminary site survey finds medium to high potential for substantial archaeological remains, the City shall require a mitigation plan to protect the resource before issuance of permits. Mitigation may include:

- Ensuring that a qualified archaeologist is present during initial grading or trenching (monitoring),
- Redesigning the project to avoid archaeological resources (this is considered the strongest tool for preserving archaeological resources),
- Capping the site with a layer of fill, and/or
- Excavating and removing the archaeological resources (recovery) and implementing curation in an appropriate facility under the direction of a qualified archaeologist (interpretation).



Alert applicants for permits within early settlement areas to the potential sensitivity. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the Community Development Department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure.

If significant archaeological resources are discovered during construction or grading activities, such activities shall cease in the immediate area of the find until a qualified archaeologist can determine the significance of the resource and recommend alternative mitigation. The final written report should be submitted to the appropriate regional archaeological Information Center within three months after work has been completed. The City shall ensure that project applicants contact the Native American Heritage Commission for a Sacred Lands File Check and a list of appropriate Native American contacts for consultation concerning the project site and to assist in crafting the mitigation measures.

Agency/Department:	Community Development Department
Funding Source:	Development fees
Time Frame:	Ongoing
Related Policies:	
Land Use:	6.11
Cultural Resources & Historic Preservation:	4.1, 4.5

**Program III-11 Green Building, Energy Conservation,
and Sustainable Development**

The City strongly encourages new development and major renovation projects to employ green building techniques and materials. Encourage proposed development projects throughout the City to use Leadership in Energy and Environmental Design (LEED) standards developed by the U.S. Green Building Council or a similar third-party verified program. Encourage building orientations and landscaping that enhance natural lighting and sun exposure. Prepare guidelines for sustainable development to encourage incorporation of these practices in new development. These guidelines will include measures to maximize soil permeability to address related stormwater and surface-water runoff issues.

Require compliance with state Title 24 building construction standards and Energy Star conservation standards for all development projects.

Prepare and adopt an ordinance that requires and/or provides incentives for: (1) specified new residential development to comply with a specified green building program or show that its development provides comparable effectiveness to such a program; and (2) specified non-residential development of a specified size comply with a specified green building



program or show that its development provides comparable effectiveness to such a program.

Agency/Department:	Community Development Department, Public Works Department
Funding Source:	Development fees
Time Frame:	Ongoing; December 31, 2011 (For ordinance)
Related Policies:	
Natural Resources:	2.6, 2.7

Program III-12 Mixed-Use Noise Property Notification

When the City exercises discretionary review, provides financial assistance, or otherwise facilitates residential development within a mixed-use area, make providing written warnings to potential residents about noise intrusion a condition of that approval, assistance, or facilitation. The following language is provided as an example:

“All potential buyers and/or renters of residential property within mixed-use districts in the City of Orange are hereby notified that they may be subject to audible noise levels generated by business and entertainment related operations common to such areas, including amplified sound, music, delivery and passenger vehicles, mechanical noise, pedestrians, and other urban noise sources.”

Agency/Department:	Community Development Department
Funding Source:	Development fees
Time Frame:	Ongoing
Related Policies:	
Noise:	5.1, 5.3
Urban Design:	2.5

Program III-13 Ecological and Biological Resource Assessments

Analyze development proposals for potential impacts on significant ecological and biological resources. Require appropriate mitigation for all significant impacts if impact avoidance is not possible. Mitigation measures for habitat and species may include but are not limited to avoidance, enhancement, restoration, compensatory mitigation, or a combination of these.

Agency/Department:	Community Development Department
Funding Source:	Development fees
Time Frame:	Ongoing
Related Policies:	
Land Use:	6.4, 6.11



Natural Resources: 4.1, 4.3, 4.4, 4.5

Program III-14 Archaeological Resources Management Report (ARMR Preservation Bulletin)

Establish the Archaeological Resources Management Report (ARMR Preservation Bulletin) as the standard report format for all documentation and accept reports only from registered professional archaeologists knowledgeable in Native American cultures and/or historical archaeology (qualified archaeologists).

Agency/Department: Community Development Department
Funding Source: Development fees
Time Frame: Ongoing
Related Policies:
Cultural Resources &
Historic Preservation: 4.1

Program III-15 Historic Resources Design Review

Continue to use the *Secretary of the Interior’s Standards for the Treatment of Historic Properties and Guidelines for Preserving, Rehabilitating, Restoring and Reconstructing Historic Buildings* as a basis for design review and incorporate them by reference into the *Historic Preservation Design Standards for Old Towne* and *Orange Eichler Design Standards*. and other historic preservation design standards. Any approved demolition permit for historic resources listed in the City’s Historic Register will be automatically subject to a delay of 180 days before the permit for demolition may be issued. The property owner will strive to develop alternatives to demolition that will preserve the historic resources.

The Design Review Committee or Historic Preservation Commission at such time such a commission is established, shall serve as the review body for projects involving historic resources.

Agency/Department: Community Development Department, City Council
Funding Source: General Fund
Time Frame: Ongoing
Related Policies:
Cultural Resources &
Historic Preservation: 1.1, 1.2, 1.3, 1.4, 1.5, 2.3, 3.2

Program III-16: Public Access to Santiago Creek and Santa Ana River Public Interface

Ensure that new development does not preclude access to Santiago Creek and the Santa Ana River and associated trails. Development review should ensure that commercial and retail development in these areas support public access.

Agency/Department: Community Development Department



Funding Source:	Development fees
Time Frame:	Ongoing
Related Policies:	
Land Use:	6.4, 6.6
Circulation & Mobility:	4.1
Natural Resources:	1.3, 5.5, 7.1, 7.2, 7.3, 7.4, 7.5
Urban Design:	2.6

Program III-17: Office Condominium Conversions

Evaluate applications for conversion of industrial properties to office condominiums to determine the impact on the available balance of larger and smaller properties available for industrial use.

Agency/Department:	Community Development Department, Economic Development Department
Funding Source:	Development fees
Time Frame:	Ongoing
Related Policies:	
Land Use:	4.1, 4.2, 4.3, 4.4, 4.5
Economic Development:	3.1, 6.1, 6.2

Program III-18: Noise Reduction in New Construction

Require construction contractors to implement the following measures during construction activities through contract provisions and/or conditions of approval as appropriate:

- Construction equipment shall be properly maintained per manufacturers’ specifications and fitted with the best available noise suppression devices (i.e., mufflers, silencers, wraps, etc).
- Shroud or shield all impact tools, and muffle or shield all intake and exhaust ports on power equipment.
- Construction operations and related activities associated with the proposed project shall comply with the operational hours outlined in the City of Orange Municipal Code Noise Ordinance, or mitigate noise at sensitive land uses to below Orange Municipal Code standards.
- Construction equipment should not be idled for extended periods of time in the vicinity of noise sensitive receptors.



- Locate fixed and/or stationary equipment as far as possible from noise sensitive receptors (e.g., generators, compressors, rock crushers, cement mixers). Shroud or shield all impact tools, and muffle or shield all intake and exhaust ports on powered construction equipment.
- Where feasible, temporary barriers shall be placed as close to the noise source or as close to the receptor as possible and break the line of sight between the source and receptor where modeled levels exceed applicable standards. Acoustical barriers shall be constructed material having a minimum surface weight of 2 pounds per square foot or greater, and a demonstrated Sound Transmission Class (STC) rating of 25 or greater as defined by American Society for Testing and Materials (ASTM) Test Method E90. Placement, orientation, size, and density of acoustical barriers shall be specified by a qualified acoustical consultant.

Agency/Department:	Community Development Department, Public Works Department, Community Services Department
Funding Source:	Development fees
Time Frame:	Ongoing
Related Policies:	
Noise:	1.1, 1.2, 1.4, 1.5, 7.2

Program III-19: Groundborne Noise and Vibration

Implement the following measures to reduce the potential for human annoyance and architectural/structural damage resulting from elevated groundborne noise and vibration levels.

- Construction-Induced Vibration. The City shall implement or require implementation of the following measures through contract provisions and/or conditions of approval as appropriate:
 - Pile driving required within a 50-foot radius of historic structures shall utilize alternative installation methods where possible (e.g., pile cushioning, jetting, pre-drilling, cast-in-place systems, resonance-free vibratory pile drivers). Specifically, geo pier style cast-in-place systems or equivalent shall be used where feasible as an alternative to pile driving to reduce the number and amplitude of impacts required for seating the pile.
 - The preexisting condition of all buildings within a 50-foot radius and of historic buildings within the immediate vicinity of proposed construction-induced vibration activities shall be recorded in the form of a preconstruction survey. The preconstruction survey shall determine conditions that exist before construction begins for use in evaluating damage caused by construction activities. Fixtures and finishes within a 50-foot radius of construction activities susceptible to

IMPLEMENTATION



damage shall be documented (photographically and in writing) prior to construction. All damage will be repaired back to its preexisting condition.

- Vibration monitoring shall be conducted prior to and during pile driving operations occurring within 100 feet of the historic structures. Every attempt shall be made to limit construction-generated vibration levels in accordance with Caltrans recommendations during pile driving and impact activities in the vicinity of the historic structures.
 - Provide protective coverings or temporary shoring of on-site or adjacent historic features as necessary, in consultation with the Community Development Director or designee.
- **Railroad-Induced Vibration:**
 - Vibration sensitive uses shall be located a minimum of 100 feet from the railroad centerline, where feasible. To ensure compliance with FTA and Caltrans recommended guidelines, a site-specific groundborne noise and vibration assesment should be conducted. For sensitive uses located within 100 feet of the railroad centerline, the acoustical noise and vibration assessment shall demonstrate that potential impacts will be below the level of significance. If specific project-level impacts are identified, mitigation measures reducing the impacts to below the level of significance will be required.
 - A groundborne vibration assessment shall be conducted at proposed building pad locations within 200 feet of railroad right-of-ways, prior to project approval. Vibration monitoring and assessment shall be conducted by a qualified acoustical consultant. The assessment will demonstrate that rail-associated groundborne vibration and noise levels comply with recommended FTA and Caltrans guidance of 80 VdB and 0.2 in/sec PPV (or equivalent), respectively, or propose project-specific mitigation measures such as site design, building isolation, etc. to achieve that standard.

Agency/Department:	Community Development Department, Public Works Department
Funding Source:	General Fund, Development fees
Time Frame:	Ongoing
Related Policies:	
Noise:	1.1, 3.1, 3.2, 6.1, 7.2



Program III-20: Toxic Air Contaminant Exposure

Require each project applicant to implement the following measures to reduce the exposure of sensitive receptors to TACs from mobile sources, as project design features or a condition of project approval:

- Activities involving idling trucks shall be oriented as far away from and downwind of existing or proposed sensitive receptors as feasible.
- Strategies shall be incorporated to reduce the idling time of main propulsion engines through alternative technologies such as IdleAire, electrification of truck parking, and alternative energy sources for TRUs to allow diesel engines to be completely turned off.
- Proposed developments shall incorporate site plans that move sensitive receptors as far as feasibly possible from major roadways (100,000+ average daily trips).
- Projects containing sensitive receptors (such as residences, schools, day care centers, and medical facilities) on sites within 500 feet of a freeway must demonstrate that health risks relating to diesel particulates would not exceed acceptable health risk standards prior to project approval.

Agency/Department:	Community Development Department, Public Works Department
Funding Source:	Development fees
Time Frame:	Ongoing
Related Policies:	
Natural Resources:	2.1



IV. Planning and Outreach Initiatives

Program IV-1 Annual Review of General Plan and Land Use Policy Map

Annually review implementation of the General Plan and Land Use Policy Map to identify the effect of land development and use on City revenues and costs of providing and maintaining public facilities and services.

Report annually to the City Council regarding progress toward established objectives.

Agency/Department:	Community Development Department
Funding Source:	General Fund
Time Frame:	Ongoing, with annual reports to City Council
Related Policies:	All

Program IV-2 Park Acquisition, Construction, and Maintenance Report

Work actively to acquire, build, and maintain approximately 241 acres of additional parkland to achieve a minimum parkland ratio of 3 acres per 1,000 persons by 2030, and work toward a desired ratio of 5 acres per 1,000 persons by 2050. Evaluate progress toward achieving this goal by preparing a status report for the City Council and community every five years.

As a separate but compatible objective, support efforts by the County of Orange or private landowners to provide an additional 303 acres of regional parkland to support an overall objective of 10 acres of parkland per 1,000 persons, inclusive of County regional parks.

Work with the private sector to encourage use of vacant commercial or industrial properties for recreational purposes.

Agency/Department:	Community Services Department
Funding Source:	General Fund
Time Frame:	Baseline status report completed by 2013 Ongoing 5-year reporting beginning in 2016
Related Policies:	
Land Use:	1.7, 8.1, 8.3
Natural Resources:	5.1, 5.3, 5.4, 5.6, 5.7



Program IV-3 Public Education Programs

Use public education activities to accomplish the following objectives:

- Improve citizen participation in land use and economic development planning processes. Promote awareness of Orange’s historical and architectural resources and potential strategies for adaptive reuse of historic structures.
- Educate residents regarding air and water quality, including the effects of urban runoff.
- Raise public awareness of public safety issues—fire safety, flood hazards, homeland security, and other programs.
- Raise public awareness about the importance of green building techniques.
- Educate the public regarding the benefits of recycling and waste reduction.
- Promote traffic safety awareness programs.
- Promote the application of CPTED to new development projects.
- Support neighborhood meetings and community programs on crime prevention and education.
- Continue to support existing Neighborhood Watch programs, and support the efforts of the City of Orange Police Department to expand these programs.
- Educate the public regarding fire safety through public outreach and support for localized efforts to become a Firewise Community.
- Educate the public about established designated evacuation routes throughout the City as designated in the City’s “Know Your Way” Plan provided on the Police Department website.
- Sponsor and support public education programs for emergency preparedness and disaster response. Continue to provide a Community Emergency Response Team (CERT) program through the Police Department to support awareness and preparedness for the Orange community.
- Maintain the City’s mass emergency notification mechanism for the release of public information during a major event.

Coordinate education activities and make materials available to residents. Utilize all available media—forums, flyers, brochures, e-mail, videos, interpretive displays, workshops, and the City’s website and cable television channel—to accomplish these objectives. Fully utilize the resources of the Orange Public Library to disseminate this information. Explore partnerships with local schools and educators to develop various educational programs related to historic preservation, personal and community safety, and environmental awareness.



Agency/Department: Community Development Department, Public Works Department, Fire Department, Police Department, Library Services Department, Community Services Department

Funding Source: General Fund; Federal, state, and private grants

Time Frame: Ongoing

Related Policies:

- Land Use: 5.2, 6.11, 8.1, 8.2, 8.3
- Natural Resources: 2.17
- Cultural Resources & Historic Preservation: 1.2, 1.3, 1.6, 2.2, 2.3, 3.1, 3.2, 4.4, 4.6, 5.1, 5.5
- Public Safety: 1.2, 3.5, 3.6, 6.5, 6.6, 7.1, 8.1, 8.5
- Economic Development: 3.3, 4.4

Program IV-4 Santiago Creek and Santa Ana River Vision Plans

Support future development of highly visible access points to the Santa Ana River, particularly at Lincoln Avenue, Katella Avenue, and Chapman Avenue. Partner with the City of Anaheim, resource agencies, and community organizations to complete a vision plan for the Santa Ana River, similar to the plan for Santiago Creek.

Agency/Department: Community Development Department, Community Services Department, Public Works Department

Funding Source: Grants, General Fund

Time Frame: Santa Ana River plan completed by 2030

Related Policies:

- Land Use: 6.3, 7.3
- Circulation & Mobility: 1.1
- Natural Resources: 1.2, 4.2, 6.1
- Cultural Resources & Historic Preservation: 4.2

Program IV-5 Solid Waste Source Reduction and Recycling

Continue to implement waste diversion programs as well as public education programs as outlined in the City’s Source Reduction and Recycling Element required by Assembly Bill 939 (1989). The City will also consider anticipated solid waste (trash, recycling and organics) generated with the land use types of future development. Also, the City will continue to implement and promote through public education recycling, organics recycling, and food recovery programs as mandated by CalRecycle.

Agency/Department: Public Works Department

Funding Source: General Fund, user fees



Time Frame:	Ongoing
Related Policies:	
Natural Resources:	2.5
Infrastructure:	2.1, 2.2, 2.3, 2.4

Program IV-6 Transportation Demand and System Management

Participate in regional efforts to implement TDM requirements and support implementation of the employer TDM provisions of the South Coast Air Quality Management District’s Air Quality Management Plan by working with the SCAQMD to identify employers within Orange most suitable for participation in the TDM programs to achieve major reduction of VMT. Complete intersection capacity improvements and coordinate traffic signals as necessary to improve traffic flow.

Agency/Department:	Community Development Department, Public Works Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Land Use:	7.4
Circulation & Mobility:	2.2, 2.5, 2.6
Natural Resources:	2.1, 2.2
Growth Management:	1.12, 2.1

Program IV-7 Growth Management Performance Monitoring Program

As required by Renewed Measure M (also known as OC Go), the City’s annual Performance Monitoring Program is intended to provide an annual evaluation of its development phasing plans. This program reviews and evaluates the implementation of phasing plans that reflect conditions of approval for traffic improvements required as mitigation measures for development projects. The monitoring program is intended to ensure that road improvements or funding are actually provided as required, to determine whether development may continue. If the improvements or funding specified in project conditions have not been provided, the City shall defer development until compliance with the provision of this program is achieved.

The monitoring program includes an annual review of new development projects until all required improvements have been constructed. Traffic-related mitigation requirements, such as TDM programs, will be continued in conformance with the provisions of the project-approved programs.

Agency/Department: Community Development Department, Public Works Department

Funding Source: Development fees

IMPLEMENTATION



Time Frame: Ongoing
Related Policies:
 Circulation & Mobility: 1.1
 Growth Management: 1.2, 1.5, 1.12





V. Coordination with Other Agencies and Organizations

Program V-1 Utility Companies

As part of the development application and review process, coordinate with Southern California Edison (SCE), Time Warner Cable, Cox Communications Orange County, the Gas Company, AT&T, cellular telephone service providers, and other local utilities to assess capacity and infrastructure needs to support new development or development activities. Ensure through such coordination that Orange remains on the cutting edge of new infrastructure technology. Require that utilities be moved underground consistent with the City’s *Master Utility Undergrounding Plan*. Identify engineering vulnerabilities in lifeline utilities, such as overhead power lines, for exposure to or threats of wildland fire.

Agency/Department:	City Manager’s Office, Community Development Department, Public Works Department
Funding Source:	SCE utility undergrounding fund, private funding sources
Time Frame:	Ongoing
Related Policies:	
Land Use:	7.3, 7.4, 7.5, 7.6
Urban Design:	2.8
Infrastructure:	4.1, 4.2, 4.3
Economic Development:	5.2, 6.2

Program V-2 Orange Unified School District and Santiago Canyon Community College District

Coordinate with the Orange Unified School District and Santiago Canyon Community College District to address the following issues, as applicable:

- Preparation of facilities master plans;
- Continued development of safe pedestrian and bicycle routes to all schools and ensuring that physical improvements (such as crosswalks and bike racks) are in place to support walking and bicycling to schools;
- Exploration of nonstructural solutions that may encourage people to walk or bus to school, rather than drive (e.g., staggered start times, walking groups);
- Continued joint use of school sites for community recreation;
- Exploration of joint use of school site(s) for public library service;
- Continued youth and family services to serve families of children living within the school district’s boundaries;
- Continued joint-use agreements to make additional recreational facilities available to the community during non-school hours;

IMPLEMENTATION



- Requiring new or remodeling existing schools to install appropriate student pick-up/drop-off areas; and
- Preparation of an elementary school curriculum, including suggested supplemental activities, for teaching children about cultural and historical resources, personal and community safety, sustainable lifestyles, and environmental awareness in the City.

Agency/Department:	Community Development Department, Community Services Department, Library Services Department
Funding Source:	Development fees, user fees
Time Frame:	Ongoing
Related Policies:	
Land Use:	7.1, 7.6
Natural Resources:	5.3
Cultural Resources & Historic Preservation:	2.2, 3.1

Program V-3 Adjacent Jurisdictions and Special-Purpose Agencies and Organizations

Continue to coordinate with adjacent jurisdictions and special-purpose agencies and organizations for the following purposes:

- Land use planning efforts;
- Growth and facility planning, management, and maintenance;
- Planning and developing major east/west and north/south arterials and rapid transit;
- Ensuring that Orange benefits from the planned Anaheim Regional Transportation Intermodal Center (ARTIC);
- Connecting City trails to trails in adjacent jurisdictions and regional trails networks, including Santiago Creek, the Santa Ana River, and the proposed Tustin Branch Trail;
- Completing vision plans for the Santa Ana River;
- Maintaining an appropriate level of transportation impact fees and other public service fees;
- Continue to adopt and honor agreements with adjacent communities for mutual aid assistance. Specifically, continue to utilize Standard Emergency Management System (SEMS) and National Incident Management System (NIMS) for local and master mutual aid agreements. Continue to utilize the “SOLAR Plan” (San Bernardino County, Orange County, Los Angeles County, Anaheim, and Riverside County) for coordinated radio frequency communications;
- Maintaining flood control facilities and implementing a capacity analysis;
- Developing trails along service roads for flood control channels;



- Aircraft corridor planning, minimizing aircraft overflights in the City, and coordinating approval of heliport/helistop operations;
- Disaster preparedness and emergency response for earthquakes and wildland fires;
- Participating in interjurisdictional planning forums through the established Growth Management Areas (GMAs) adopted by the Regional Advisory Planning Council as well as the City’s Joint Powers Agreements with adjacent cities to address cumulative traffic impacts and to coordinate improvements in transportation facilities; and
- Monitoring and compiling information on faults within the planning area.

Agency/Department:	Community Development Department, Public Works Department, Fire Department, Police Department
Funding Source:	General Fund, development fees, gas tax funds
Time Frame:	Ongoing
Related Policies:	
Land Use:	7.3, 7.4, 7.5, 7.6
Circulation & Mobility:	2.2, 2.3, 2.4, 3.1, 4.1
Natural Resources:	6.1, 6.3, 6.4
Public Safety:	1.3, 2.1, 3.7, 5.1, 5.2, 6.3, 8.2, 8.3
Noise:	4.1, 4.2, 4.3
Growth Management:	1.4, 2.1, 2.2, 2.5, 2.6

Program V-4 Railroad Operators

Continue to coordinate with the SCRRRA in providing a regional rail system (Metrolink) that links Orange to other employment and activity centers in Southern California. Coordinate with rail operators to address possible effects of increased railway volumes on grade crossings throughout the City to reduce delays associated with freight trains. Coordinate with operators to achieve appropriate mitigation to ensure continued safety for motorists and pedestrians.

Agency/Department:	Public Works Department, City Manager’s Office
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Land Use:	2.6
Circulation & Mobility:	1.5, 2.4, 2.6, 2.7
Natural Resources:	2.2
Noise:	3.2
Growth Management:	1.7, 2.5



Program V-5 Orange County Transportation Authority

Work closely with the OCTA to achieve the following objectives:

- Maintain consistency with the County Master Plan of Arterial Highways, including the reclassification of roadways described in the Circulation & Mobility Element, such as La Veta Avenue.
- Implement provisions of Renewed Measure M, also known as OC Go.
- Implement the OCTA Congestion Management Plan (CMP).
- Expand and improve the efficiency of bus service within the City.
- Encourage the expansion of alternative local transportation options such as a community circulator bus service between transit centers and major commercial, employment, and residential areas.
- Improve paratransit or other public transportation systems that enhance the mobility of Orange’s senior and youth populations, and the disabled.
- Encourage provision of attractive and appropriate transit amenities.
- Support and implement the OCTA Commuter Bikeways Strategic Plan and participate in future updates and revisions to the Plan.
- Reduce noise impacts of OCTA operations and facilities.

Agency/Department:	Public Works Department, Community Development Department
Funding Source:	General Fund, State Transit Assistance funds
Time Frame:	Ongoing
Related Policies:	
Land Use:	2.4, 7.4
Circulation & Mobility:	1.1, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2, 3.3, 4.1
Natural Resources:	2.2
Noise:	2.4
Growth Management:	1.1, 1.3, 1.6, 1.9, 2.1, 2.2, 2.5, 2.6

Program V-6 California Department of Transportation and Transportation Corridor Agency

Work closely and coordinate with the California Department of Transportation (Caltrans) and the Transportation Corridor Agency (TCA) on all plans, activities, and projects that may affect state roadway facilities or transportation corridors passing through Orange. Additionally, work with these agencies to achieve the following objectives:

- Provide appropriate screening to control the visual impacts of transportation facilities.
- Provide landscaping within transportation facilities.



- Study the potential for a future interchange at State Route 55 and Meats Avenue.
- Determine the feasibility of conversion or joint use of surplus or otherwise underutilized lands under Caltrans or TCA control for open space.
- Plan for noise abatement along freeways and highways.
- Install, maintain, and update freeway and highway right-of-way buffers and soundwalls.
- Provide adequate visual buffers such as berms or landscaping between freeways and railways and adjacent land uses.

Agency/Department: Public Works Department, Community Development Department

Funding Source: General Fund, gas tax funds

Time Frame: Ongoing

Related Policies:

Land Use:	6.10, 7.5
Circulation & Mobility:	2.3, 2.4, 2.5, 2.6
Natural Resources:	7.3
Noise:	2.4
Growth Management:	2.1

Program V-7 Local Water Districts

Coordinate with the Irvine Ranch Water District, Serrano Water District, Municipal Water District of Orange County, Metropolitan Water District of Southern California, Golden State Water Company, and East Orange County Water District to achieve the following water supply, distribution, and conservation objectives:

- Maintain groundwater recharge areas to protect water quality and ensure continued recharge of local groundwater basins.
- Reduce the amount of water used for landscaping and increase use of native and drought-tolerant plants.
- Encourage the production, distribution, and use of recycled and reclaimed water for landscaping projects.
- Maintain water quality objectives for urban runoff.

Agency/Department: City Council, City Manager, Public Works Department

Funding Source: User fees, development fees, General Fund, grants

Time Frame: Ongoing

Related Policies:

Land Use:	6.10, 7.3
Natural Resources:	2.3, 2.4
Infrastructure:	1.3, 1.4



Program V-8 Santa Ana Regional Water Quality Control Board

Comply with all provisions of the NPDES permit, and support regional efforts by the Santa Ana Regional Water Quality Control Board to improve and protect surface water quality.

Agency/Department:	Community Development Department, Public Works Department
Funding Source:	User fees
Time Frame:	Ongoing
Related Policies:	
Land Use:	3.4, 4.3, 6.5
Natural Resources:	2.4, 2.11, 2.12
Infrastructure:	1.4, 1.5

Program V-9 South Coast Air Quality Management District

Work with the South Coast Air Quality Management District and the Southern California Association of Governments to implement the Air Quality Management Plan and meet all federal and state air quality standards for pollutants. Participate in any future amendments and updates to the Plan. Implement and interpret the General Plan in a manner consistent with the Air Quality Management Plan.

Agency/Department:	Community Development Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Land Use:	3.4, 4.3, 6.10, 7.4
Circulation & Mobility:	2.5, 2.6, 3.1, 4.1
Natural Resources:	2.1, 2.2, 2.8
Growth Management:	1.7, 1.8, 1.12, 2.2, 2.3, 2.4, 2.6

Program V-10 Orange County Flood Control District

Support efforts by the Orange County Flood Control District (OCFCD) to regularly maintain flood control channels and structures owned by the OCFCD, and to complete necessary repairs in a timely manner. Work with the OCFCD and U.S. Army Corps of Engineers to identify new flood control improvements, and establish installation programs for improvements as needed. Work with the OCFCD to identify opportunities to enhance the natural qualities of Santiago Creek to protect habitat and reintroduce native plants, animals, and fish.



Agency/Department:	Public Works Department, Community Development Department, Community Services Department
Funding Source:	Orange County Flood Control District
Time Frame:	Ongoing
Related Policies:	
Land Use:	6.7, 6.9, 7.3
Natural Resources:	4.2
Public Safety:	2.1
Infrastructure:	1.5

Program V-11 U.S. Fish and Wildlife Service and California Department of Fish and Wildlife

Continue to coordinate with federal and state wildlife agencies in an effort to protect rare or endangered species of plants and animals. Require that all development activities adhere to federal and state legislation that protects all sensitive plants and animals. Coordinate with these agencies for City efforts to restore portions of Santiago Creek and the Santa Ana River, to develop bike trails and pathways adjacent to Santiago Creek, to recognize the archeological significance of Santiago Creek, and to integrate natural landscape components within the design of projects adjacent to waterways.

Agency/Department:	Community Development Department, Community Services Department, Public Works Department
Funding Source:	General Fund, development fees, grants, federal and state funds
Time Frame:	Ongoing
Related Policies:	
Land Use:	6.4, 6.7, 6.11, 7.3
Natural Resources:	4.1, 4.2, 4.3, 4.4, 4.5, 6.1
Cultural Resources & Historic Preservation:	4.2

Program V-12 Central Orange County NCCP/HCP

Support compliance with the Central Orange County Natural Communities Conservation Plan/Habitat Conservation Plan (NCCP/HCP). Participate in any future update to the Plan. Coordinate with the Fire Department and related agencies to ensure consideration of NCCP habitat areas when planning fuel modification zones.

Recognize the overlap between the Natural Community Conservation Plan and the Very High Fire Hazard Safety Zone and implement the adopted Vegetation Management Guideline – Technical Design for New Construction, Fuel Modification Plans, and Maintenance Program with environmental sensitivity to overlapping designations. Utilize Minimum Impact Suppression Techniques (MIST) for wildland urban interface wildfires to minimize unnecessary eradication of natural habitat.



Agency/Department:	Community Development Department, Fire Department
Funding Source:	General Fund, development fees
Time Frame:	Ongoing
Related Policies:	
Land Use:	6.4, 6.11, 7.3
Natural Resources:	4.1, 4.2, 4.3, 4.4, 4.5
Public Safety:	3.1, 3.3

Program V-13 Open Space Preservation Organizations and Agencies

Continue to work with local and regional open space preservation organizations and with federal and state agencies to identify and conserve urban open space and protect lands accessible for public use. Pursue grants and other resources to plan for open space preservation and, as appropriate, purchase properties to be included in the open space system. Use conservation easements where feasible as part of the City’s open space acquisition program.

Agency/Department:	City Manager’s Office, Community Development Department, Community Services Department
Funding Source:	Grants
Time Frame:	Ongoing
Related Policies:	
Land Use:	6.4, 6.11
Natural Resources:	1.1, 1.2, 1.3, 5.7

Program V-14 Orange Chamber of Commerce

Continue to work with the Orange Chamber of Commerce in promoting the local economy. The Chamber provides a variety of programs promoting economic development in Orange.

Agency/Department:	Economic Development Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Land Use:	3.2, 5.3, 8.2
Economic Development:	3.2, 3.3, 5.2

Program V-15 Federal and State Historic Preservation Programs

The City will continue to support efforts by California’s OHP to administer federal and state-mandated historic preservation programs in California, including the following:



- California Historical Landmarks
- California Points of Historical Interest
- California Register of Historical Resources
- National Register of Historic Places
- Secretary of the Interior’s Standards
- CEQA

The Mills Act is another preservation tool created by the California Legislature, enabling cities to enter into historical property agreements with owners of qualifying properties that result in reductions to the owners’ property taxes. The agreements provide a benefit that ensures preservation and guarantees authentic rehabilitations and a high level of maintenance of historic resources. The City will continue to offer the Mills Act program to private property owners, will expand the program to include newly designated historic resources, and publicize its availability. In compliance with state legislation, the City will inspect Mills Act properties prior to contract approval and once every five years thereafter.

Agency/Department:	Community Development Department
Funding Source:	General Fund, Mills Act fees, development fees
Time Frame:	Ongoing
Related Policies:	
Land Use:	1.5, 6.11
Cultural Resources & Historic Preservation:	1.2, 1.3, 1.4, 1.5, 2.2, 4.1, 4.2, 4.3, 4.4

Program V-16 Community History and Preservation Organizations

Develop partnerships with local history and preservation organizations to prepare Historic Context Statement updates, undertake new surveys, and update surveys. Partner with local history and preservation organizations to develop a citywide interpretive program, including signs, plaques, exhibits, and other similar elements, to increase awareness of the City’s history and its historic resources

Agency/Department:	Community Development Department, Library Services Department
Funding Source:	General Fund, grants
Time Frame:	Ongoing
Related Policies:	
Cultural Resources & Historic Preservation:	1.1, 1.2, 1.3, 2.2, 3.1, 3.4, 5.5

Program V-17 Orange County Airport Land Use Commission

Continue to work with the Orange County Airport Land Use Commission to increase safety and reduce noise associated with aircraft overflights and helicopter operations within the City by achieving the following objectives:

IMPLEMENTATION



- Work with the Federal Aviation Administration and local airports (John Wayne Airport, Long Beach Airport, Los Alamitos Army Air Base) to determine appropriate aircraft altitude standards for aircraft flying over the City, taking into account public health and safety.
- Continue to regulate the siting and operation of heliports/helistops through the Conditional Use Permit process in conjunction with the Orange County Airport Land Use Commission and Caltrans Division of Aeronautics.
- Work with the heliport/helistop operators (police, fire, hospital, and private) to implement flight profiles, tracks, and operating parameters for noise control.

Agency/Department:	Community Development Department
Funding Source:	General Fund
Time Frame:	Ongoing
Related Policies:	
Noise:	4.1, 4.2, 4.3