POLICY DOCUMENT PART 2

NATURAL & CULTURAL RESOURCES ELEMENT

The city's natural and cultural resources contribute to the city's economy and are key elements in the quality of life of West Sacramento residents. Natural resources include water, plant and animal species and habitat, urban forest, agricultural land, mineral resources, air, energy, and scenic amenities. The city's historic and cultural resources take several forms ranging from the rich historic settlement and development periods to the ethnography and archaeological resources of the Native American period. The City of West Sacramento values its natural and cultural resources and is committed to protecting and enhancing them. The preservation and protection of these resources is vital to the continued benefit and enjoyment of current and future residents. This Element contains goals and policies that seek to balance the need for growth with the need for the conservation and enhancement of the area's natural and cultural resources.

Agricultural Resources

West Sacramento has a long history of agriculture. The city is surrounded on three sides by productive farmland, and lands in the southern part of the city remain in agricultural production. Principal crops include wheat, alfalfa, miscellaneous vegetables and fruits. The policies in this section seek to protect agriculture in and around West Sacramento from impacts from development while accommodating planned transition to urban uses.

GOAL NCR-1

To promote the economic viability of agriculture in West Sacramento and to discourage premature development of agricultural land with non-agricultural uses, while providing for urban needs.

NCR-1.1 Continuation of Agriculture

The City shall support the continuation of agricultural uses on lands designated for urban uses until urban development is imminent. *(RDR)*

NCR-1.2 Development near Agriculture

The City shall ensure, in approving urban development near agricultural lands, that such development will minimize conflicts with adjacent agricultural uses, and not constrain agricultural practices or adversely affect the economic viability of nearby agricultural operations, where feasible. *(RDR)*

NCR-1.3 Agricultural Buffer

The City shall encourage Yolo County to retain agricultural uses on lands adjacent to the city to create a buffer around the city. *(IGC)*

NCR-1.4 Agricultural Incentives

The City shall support tax and economic incentives, at both the local and State levels, to enhance the economic competitiveness of agriculture. *(IGC)*

NCR-1.5 Homeowner Notification

The City shall require that purchasers of homes located near agricultural lands be provided notification of agricultural operations and activities by way of their deeds and/or escrow documents. *(PI)*

NCR-1.6 Right-to-Farm Ordinance

The City shall continue to implement its right-to-farm ordinance. *(RDR)*

NCR-1.7 Interim Uses/Urban Farms

The City shall support establishment of urban farms and similar uses for interim land use until the ultimate planned land use of property is viable. *(RDR)*

Biological Resources

Conservation and protection of biological resources are integral to, not only a healthy ecosystem, but also to a healthy human population. Policies in this section guide the location, design, and quality of development to protect biological resources such as open space corridors and wildlife habitat.

GOAL NCR-2

To protect sensitive native vegetation and wildlife communities and habitat in West Sacramento.

NCR-2.1 Public Awareness

The City shall encourage and support development projects and programs that enhance public appreciation and awareness of the natural environment. *(PI)*

NCR-2.2 Yolo Habitat Conservancy Program

The City shall continue to work cooperatively with other jurisdictions in the county, and with the State and Federal governments to

conserve habitat through the preparation and implementation of the Yolo Habitat Conservancy Program. The goal of this effort shall be to preserve and enhance habitat values in appropriate large areas while allowing the orderly development within the incorporated areas of the county. *(IGC)*

NCR-2.3 Habitat Connectivity

The City shall preserve, enhance, and create interconnected open space and natural areas to provide for wildlife movement and protect biodiversity. *(RDR)*

NCR-2.4 Habitat Surveys

The City shall require site-specific surveys for discretionary development proposals that could potentially impact biological resources to determine if any significant wildlife habitat and vegetation resources will be adversely affected and, if so, to identify appropriate measures to avoid or mitigate such impacts. *(RDR)*

NCR-2.5 Habitat Buffer

The City shall require the provision and maintenance of an adequate setbacks between significant habitat and adjacent development. The buffer shall be landscaped with native vegetation and may be used for passive recreation purposes. *(RDR)*

NCR-2.7 Rare, Threatened, & Endangered Species Protection

The City shall preserve rare, threatened, and endangered species by ensuring that development does not adversely affect such species or by fully mitigating adverse effects. For developments where adverse impacts cannot be mitigated, the City shall not approve the project. *(RDR)*

NCR-2.8 Habitat Preservation

The City shall support State and Federal policies for preservation and enhancement of riparian and wetland habitats by incorporating, as deemed appropriate, the findings and recommendations of the California Department of Fish and Wildlife and the U.S. Fish and Wildlife Service into site-specific development proposals. *(RDR)*

NCR-2.9 No Net Loss

The City shall require new development to ensure no net loss of State and Federally regulated wetlands, other waters of the United States (including creeks, rivers, ponds, marshes, vernal pools, and other seasonal wetlands), and associated functions and values by regulating development in and near these habitats and promoting projects that avoid sensitive areas. Where habitat loss is unavoidable, the City shall require replacement consistent with State and Federal regulations protecting wetland resources. *(RDR)*

NCR-2.10 Wetland and Riparian Habitat Protection

The City shall seek to minimize the loss or degradation of wetland and riparian habitats at the following sites: Lake Washington and associated wetlands, Bee's Lake and associated riparian woodlands, riparian woodlands along the Sacramento River north of the I Street Bridge and south of the barge canal, and riparian woodlands along the Deep Water Ship Channel and the Yolo Bypass. *(RDR)*

NCR-2.11 Riparian Vegetation Maintenance

The City shall encourage the maintenance of marsh and riparian vegetation along irrigation/ drainage canals and along the Deep Water Ship Channel through routine maintenance and clearing and by disturbing only one bank per year. *(SO)*

NCR-2.12 Floodway Design

The City shall encourage floodway design and flood control facilities to foster riparian habitat enhancement, improved water

quality, and groundwater recharge. *(RDR/MPSP)*

NCR-2.13 Fisheries

The City shall implement measures to ensure that development in the city does not adversely affect fishery resources in the Sacramento River, Deep Water Ship Channel, and Lake Washington. *(RDR)*

NCR-2.14 Public Areas

The City shall ensure that public access and recreation facilities do not eliminate or degrade riparian habitat values. Trails, picnic areas, and other improvements shall be sited to minimize impacts on sensitive wildlife habitat or riparian vegetation. *(RDR/MPSP)*

NCR-2.15 Landscaping with Native Plants

The City shall promote the use of native plants, especially valley oaks, for landscaping roadsides, medians, parks, and private properties. In particular, native plants should be used along the Sacramento River, in areas adjacent to riparian and wetland habitats, and in other open space and natural areas. *(RDR/MPSP)*

NCR-2.16 Golf Courses

The City shall encourage any future golf courses to incorporate and maintain, to the maximum extent possible, areas of native vegetation and wildlife habitat. *(RDR)*

Urban Forest

Trees are a critical part of the urban fabric. The tree canopy provides, not only aesthetic value, but also shade and air quality, water quality, and other environmental benefits. Policies in this section promote a safe, sustainable, and healthy urban forest in West Sacramento through proper care, protection, and overall management of the city's tree canopies.

GOAL NCR-3

To protect existing mature trees and encourage the development of a healthy urban forest.

NCR-3.1 Healthy Urban Forest

The City shall manage and maintain a vibrant, healthy urban forest through tree planting, pest control, scheduled pruning, and removal and replacement of dead or diseased trees. *(SO)*

NCR-3.2 Urban Forest Management Plan

The City shall prepare, adopt, and implement an Urban Forest Management Plan. *(MPSP)*

NCR-3.3 Tree Mitigation Ordinance

The City shall maintain and implement the tree mitigation ordinance, which regulates the removal of existing trees, preserves existing trees where possible, and requires mitigation where healthy trees must be removed either by planting on-site, planting in another location approved by the Tree Administrator, or a combination of planting and a contribution to a Tree Mitigation Fund. *(RDR)*

NCR-3.4 Urban Tree Canopy Analysis

The City shall maintain a database of the existing tree canopy to support the development of a holistic citywide urban forest management strategy. *(PSR)*

NCR-3.5 Planting in New Development

The City shall require the planting of street trees, parking lot canopy trees, screening trees, and other amenity trees and landscaping in all new development, consistent with City landscaping development guidelines, to minimize the heat island effect. *(RDR)*

NCR-3.6 Shading of New Development

The City shall require that new development achieve 50 percent shading of constructed and paved surfaces (*e.g.,* parking lots) within five years of completing construction, and include a plan to maintain and replace trees. Exceptions may be considered for those parking lots containing solar installations. Urban uses shall employ urban greening techniques where feasible. *(RDR)*

NCR-3.7 City Property

The City shall continue to pursue opportunities to plant new trees on existing City-owned properties and, to the extent possible, work to preserve mature native trees. *(SO)*

NCR-3.8 Property Owner Responsibility

The City shall encourage property owners to maintain and protect trees on their property as well as street trees adjacent to their property. *(MPSP)*

NCR-3.9 Pruning

The City shall ensure street trees are pruned as necessary to maintain a healthy urban forest and to prevent hazards and provide street visibility. *(SO)*

NCR-3.10 Tree Education

The City shall continue to provide educational materials and programs on the benefits of street trees and urban forests, and how to plant and take care of trees in urban areas and on private properties. *(PI)*

Water Quality

West Sacramento, located on the natural floodplain of the Sacramento River, is bordered on the east by the Sacramento River and on the west by the Yolo Bypass and the Sacramento Deep Water Ship Channel. The city is bisected by the Ship Channel and barge canal. The policies in this section seek to protect water quality.

GOAL NCR-4

To preserve and protect water quality in the City's natural water bodies and drainage systems and the area's groundwater basin.

NCR-4.1 Integrated Water Management Program

The City shall continue to integrate water management programs that emphasize multiple benefits and balance the needs of agricultural and urban users. *(MPSP)*

NCR-4.2 Open Space Buffers

The City shall conserve and, where feasible, create or restore open space areas that serve to protect water quality such as riparian corridors, buffer zones, wetlands, undeveloped open space areas, levees, and drainage canals. *(RDR)*

NCR-4.3 New Septic Systems

The City shall prohibit the establishment of any new septic systems in areas where City sewer and water services are available within one air mile, and require that new septic tank installations elsewhere be limited to parcels that are one acre or larger. *(RDR)*

NCR-4.4 Existing Septic Systems

The City shall seek to eliminate existing septic tanks in urbanized areas to maintain the city's water quality. *(RDR)*

NCR-4.5 No Adverse Impact

The City shall not approve new development that has a significant potential for adversely affecting water quality in the city's natural water bodies and drainage systems including the Sacramento River, Deep Water Ship Channel, Lake Washington, or groundwater basin. *(RDR)*

NCR-4.6 New Development

The City shall require new development to protect the quality of water resources and natural drainage systems through site design, source controls, runoff reduction measures, best management practices (BMPs), and Low Impact Development (LID). *(RDR)*

NCR-4.7 Construction Site Impacts

The City shall control pollutant sources to natural water bodies and drainage systems from construction activities through the use of stormwater protection measures in accordance with Federal, State, and local regulations such as the City's grading ordinance and National Pollutant Discharge Elimination System (NPDES) permit. *(RDR)*

NCR-4.8 Monitor Water Quality

The City shall monitor water quality in City wells for evidence of toxins, saltwater intrusion, and other contaminants. *(SO)*

NCR-4.9 Agricultural Chemicals

The City shall support efforts on a countywide, regional, or statewide basis to reduce runoff of toxic agricultural chemicals into the city's natural water bodies and drainage systems. *(IGC)*

NCR-4.10 Industrial Discharge

The City shall minimize pollutants entering the overall water system by regulating discharge from industrial users in accordance with local and State regulations. *(RDR)*

NCR-4.11 Ship Ballast Discharge

The City shall continue to encourage the Port of West Sacramento and responsible State agencies to prohibit the discharge of saltwater ballast into the Sacramento Deep Water Ship Channel. *(IGC)*

NCR-4.12 Education

The City shall educate the public on practices and programs to minimize water pollution. *(PI)*

Water Resources

The quantity, quality, and availability of water are vital to both natural processes and human activities in West Sacramento. Water is essential to the development of housing, commerce, and industry; to recreation; and to the maintenance of high quality fish and wildlife habitats. Wise and prudent planning and management of water resources is, therefore, central to providing a sustainable economic base as well as providing important scenic amenities for the city. The policies in this section seek to protect water resources and conserve water for future generations.

GOAL NCR-5

To preserve and protect West Sacramento's water resources and supply.

NCR-5.1 Water Conservation & Efficiency

The City shall partner with local, regional, and State agencies to encourage water conservation, recycling, and efficiency. *(IGC)*

NCR-5.2 Groundwater Sustainability

The City shall protect the sustainability of groundwater resources for urban and agricultural uses. *(RDR)*

NCR-5.3 Groundwater Recharge

The City shall protect and require new development to preserve, where feasible, areas that provide important groundwater recharge and stormwater management benefits such as undeveloped open spaces, natural habitat, riparian corridors, wetlands, and natural drainage areas. *(RDR)*

NCR-5.4 Recycled\Reclaimed Water

The City shall continue to use, and expand the use of, recycled and reclaimed water for irrigation of municipal parks and landscaping. *(SO)*

NCR-5.5 Water Meters

The City shall continue to retrofit existing commercial and residential uses with water meters and require the installation of water meters for all new commercial and residential uses, and bill the customer based upon metered use. *(MPSP)*

NCR-5.6 Water Efficient Landscaping Ordinance

The City shall maintain the Water Efficient Landscaping Ordinance to conserve water through the use of water efficient landscaping and use of recycled/greywater systems. *(RDR)*

NCR-5.7 "Smart" Irrigation Controllers

The City shall encourage existing businesses and residents to install "smart" irrigation controllers that automatically react to rain, temperature, and moisture to conserve water use. *(MPSP)*

NCR-5.8 Water Education

The City shall educate the public on practices to conserve water and use water more efficiently including the use of greywater systems. *(PI)*

Energy Resources

Increasing energy efficiency in West Sacramento has immense potential to reduce greenhouse gas emissions. Policies in this section support the increased reliance on renewable energy. To further increase the city's environmental sustainability, policies in this section require that new buildings be designed and sited to maximize energy efficiency and energy generation opportunities.

GOAL NCR-6

To increase efficiency and conservation of resources in City facilities and operations to serve as a leader in sustainability.

NCR-6.1 Energy Efficiency in Older Buildings

The City shall strive to achieve a 20 percent energy reduction in older municipal buildings through energy efficiency retrofits (*e.g.,* LED light bulbs, low flow toilets and faucets, photovoltaic cells, bi-level and motion-activated lighting, computerized HVAC systems). *(MPSP/SO)*

NCR-6.2 Energy Efficient Building Design

The City shall build all new municipal buildings to be energy efficient as required in the California Building Code or higher. *(SO)*

NCR-6.3 Automotive Trip Reduction Program

The City shall prepare and implement an automotive trip reduction program for City employees. *(MPSP/SO)*

NCR-6.4 Clean Fleet Vehicles (RDR)

The City shall employ vehicle replacement practices that prioritize the replacement of older higher-emission vehicles and the purchasing of the lowest emission technology vehicles where feasible. *(MPSP/SO)*

NCR-6.5 Purchasing Preferences

The City shall encourage environmentally-responsible purchasing, including giving preference to products that reduce or eliminate indirect greenhouse gas emissions and promote recycling. *(SO)*

NCR-6.6 Efficient Infrastructure and Facilities

The City shall update and replace infrastructure, public facilities, and equipment with technologies that improve energy efficiency and conserve energy, when feasible. *(SO)*

NCR-6.7 LED Street Lights

The City shall replace existing street lights with light emitting diode (LED) street lights, as financially feasible. *(MPSP/SO)*

GOAL NCR-7

To increase energy independence and reduce greenhouse gas emissions through the use of renewable energy sources and improved energy conservation and efficiency.

NCR-7.1 Green Building Requirements

The City shall maintain and implement green building and energy efficiency standards for new development and redevelopment projects. *(RDR)*

NCR-7.2 Remove Barriers to Green Building

The City shall provide incentives for green building practices and strive to remove barriers that impede their use. *(MPSP)*

NCR-7.3 Energy Planner Coordination

The City shall request energy planners and energy efficiency experts from energy providers and other agencies and organizations to participate in the development review process to identify potential for renewable energy facilities and energy conservation/efficiency systems, building practices, and materials. *(RDR)*

NCR-7.4 Heat Island Reduction

The City shall require, to the extent feasible, site and building design that reduces exterior heat gain and heat island effects (*e.g.,* tree planting, reflective paving materials, covered parking, cool roofs). *(RDR)*

NCR-7.5 Natural Lighting

The City shall require, to the extent feasible, building orientations and landscaping that use natural lighting to reduce energy demands. *(RDR)*

NCR-7.6 Renewable Energy in Development

The City shall require, to the extent feasible, new development to include renewable energy generation and co-generation facilities. *(RDR)*

NCR-7.7 EPA Energy Star Certified Appliances

The City shall encourage the use of "EPA Energy Star" certified appliances (*e.g.,* water heaters, swimming pool heaters, cooking equipment, refrigerators, furnaces and boiler units) for new private development and public facilities. *(RDR)*

NCR-7.8 Existing Buildings

The City shall encourage improved energy efficiency by promoting the retrofit and renovation of existing buildings using green building standards through energy audits, energy efficiency funding, and educational activities. *(RDR)*

NCR-7.9 Financing Renewable Energy

The City shall pursue funding and support community members or developers seeking funding for renewable energy projects. *(FB/JP)*

NCR-7.10 Incentives for Renewable Energy

The City shall provide economic incentives and explore opportunities to provide creative financing, such as pooled project funding and low-interest loans, for renewable energy projects. *(MPSP)*

NCR-7.11 Purchase Renewable Energy

The City shall support the private sector purchases and use of renewable and alternative energy. *(JP)*

NCR-7.13 Use of Public Rights-of-Way

The City shall provide for the use of public rights-of-way, including parking facilities at major transit stations and employment centers, for support facilities such as alternative fueling stations in urban centers and other areas where appropriate. *(RDR)*

NCR-7.14 Public Education

The City shall coordinate with regional and local energy providers to increase energy conservation through public education programs. *(JP/IGC, PI)*

Scenic Resources

Preservation of scenic features, both natural and working landscapes, enhances amenity value and adds to the quality of life for existing and future residents. Policies in this section provide for the maintenance and protection of significant visual and aesthetic resources through sensitive planning and design.

GOAL NCR-8

To protect significant scenic resources.

NCR-8.1 Protecting Scenic Vistas

The City shall protect scenic vistas from obstructions and visual clutter where it would negatively affect the public's reasonable use and enjoyment of the resource. *(RDR)*

NCR-8.2 Complementary Site & Design

The City shall require new development to be sited and designed to visually complement the natural environment, which include features such as the Sacramento River, Sacramento Deepwater Ship Channel, agricultural fields, and other natural landscapes. *(RDR)*

NCR-8.3 Reducing Light Pollution

The City shall require project designs, lighting configurations, and operational practices that reduce light pollution and preserve views of the night sky. *(RDR)*

NCR-8.4 Minimize Obtrusive Lighting

The City shall minimize obtrusive light by limiting outdoor lighting that is not necessary for public safety, and/or is misdirected or excessive. *(RDR)*

NCR-8.5 Glare

The City shall require new development to incorporate design features that prevent excessive glare. *(RDR)*

Cultural Resources

Historic resources contribute to a distinct sense of place for residents and visitors. West Sacramento contains many historic buildings and sites, many of which are concentrated in the original communities that now form the city of West Sacramento: Broderick, Bryte, and West Sacramento. Some are already designated historic structures; however, others could be designated and protected as historic resources. West Sacramento also has a rich Native American heritage. Preservation of cultural resources is important to preserving the city's history and identity. The policies in this section ensure the preservation, protection, rehabilitation, and restoration of important historic and cultural resources.

GOAL NCR-9

To preserve and enhance West **Sacramento's important historical, archaeological, and paleontological resources to increase awareness of the City's heritage.**

NCR-9.1 Significant Resource Preservation

The City shall ensure the preservation of significant historical, archaeological, tribal cultural, and paleontological resources, including those recognized at the national, state, and local levels. *(RDR)*

NCR-9.2 Consultation

The City shall consult with appropriate organizations and individuals early in the development process [*e.g.,* Information Centers of the California Historical Resources Information System, the Native American Heritage Commission (NAHC); applicable Native American tribes and/or individuals; and historical societies and organizations] to minimize impacts to cultural resources. *(RDR/IGC)*

NCR-9.3 Historic Districts

The City shall establish historic districts in appropriate areas of the city, and develop standards for preservation and rehabilitation of historic structures and compatible infill development. *(RDR/MPSP)*

NCR-9.4 Historic Survey

The City shall cooperate in the expansion and updating of the Yolo County Historical Resources Survey. *(IGC)*

NCR-9.5 State or National Register

The City shall work with property owners to seek listing of significant historical resources on the California Register of Historical Resources and/or the National Register of Historic Places, where appropriate. *(MPSP)*

NCR-9.6 Maintenance, Preservation, and Renovation of Historic and Architecturally Significant Structures

The City shall encourage the maintenance and preservation of historically- and architecturally-significant structures. Where such buildings cannot be preserved intact, the City shall encourage the preservation of character-defining features (e.g., building facades), where feasible. *(RDR/MPSP)*

NCR-9.7 Adaptive Reuse

The City shall, where appropriate and feasible, encourage adaptive reuse of historical resources when the original use of the resource is no longer feasible. *(RDR)*

NCR-9.8 Relocation

The City shall ensure that historically- and/or architecturally-significant buildings or structures proposed for demolition are considered for relocation, where appropriate and feasible, as a means of preservation. The City shall encourage relocation within the same neighborhood, or to another compatible neighborhood or district. *(RDR)*

NCR-9.9 Demolition

The City shall consider demolition of historic resources as a last resort, permitted only if adaptive reuse or relocation is not feasible and/or would pose a public safety hazard. *(RDR)*

NCR-9.10 Financial Incentives

The City shall consider providing financial incentives (*e.g.,* reduced fees, low- or no-interest loans, grants) to owners of historically significant buildings and structures to maintain, rehabilitate, and preserve their properties. *(MPSP/FB)*

NCR-9.11 Compatibility of New Development

The City shall require that new development near designated historical resources (e.g., buildings, structures, districts) is designed to be compatible with the character of the designated historic resource. *(RDR)*

NCR-9.12 Stone Lock

The City shall consider developing and maintaining Stone Lock as a point of historical interest as part of a larger master plan. *(RDR/MPSP)*

NCR-9.13 Native American Museum

The City shall continue to support and encourage the development of a Native American Heritage Museum at the site currently proposed in West Sacramento at the confluence of the American and Sacramento Rivers in partnership with the State of California Parks Department and the appropriate Native American individuals and organizations. *(IGC)*

NCR-9.14 Cultural Districts

The City shall explore the viability of a cultural district pursuant to AB 189.

NCR-9.15 Early Identification of Resources

For development and infrastructure projects, the City shall endeavor to identify sensitive resources early in project design efforts to avoid (e.g. to allow preservation in place) or minimize impacts.

Table 3-8 Natural and Cultural Resources Implementation Programs		2016-2018	2019-2023	2024-2035	Annual	Ongoing
1. The City shall continue to participate in the Yolo Habitat Conservancy Program to prepare a county-wide Natural Communities Conservation Plan/Habitat Conservation Plan (NCCP/HCP) for Yolo County. *(IGC)*						
Implements Which Policy(ies)	NCR 2.2					✗
Responsible Department(s)	Community Development					
Supporting Department(s)	City Manager's Office					
2. The City shall continue to apply Public Open Space (POS) zoning to significant habitat areas as well as setbacks or buffers of at least 100-feet between these areas and new development. *(RDR)*						
Implements Which Policy(ies)	NCR 2.3, 2.5					✗
Responsible Department(s)	Community Development					
Supporting Department(s)	N/A					
3. The City shall develop a replacement plan for the loss of State and Federally regulated wetlands, other waters of the United States, and associated functions and values by requiring that replacement include: creating habitats that are similar in extent and ecological value to that displaced development; consist of locally-occurring, native species; and are located as close as possible to the development site or be a part of a larger replacement habitat. *(MPSP)*			✗			
Implements Which Policy(ies)	NCR 2.9					
Responsible Department(s)	Community Development					
Supporting Department(s)	N/A					

Table 3-8 Natural and Cultural Resources Implementation Programs		2016-2018	2019-2023	2024-2035	Annual	Ongoing
4. The City shall develop and adopt an Urban Forest Management Plan. *(MPSP)*						
Implements Which Policy(ies)	NCR 3.2		✗			
Responsible Department(s)	Parks and Recreation					
Supporting Department(s)	Community Development					
5. The City shall review and, as necessary, update the Tree Mitigation Ordinance to address the protection of trees and the mitigation alternatives in the event of removal of a healthy tree. The City shall update the ordinance to include a provision requiring new developments to include a Tree Maintenance Plan for the maintenance of new trees. *(RDR)*						
Implements Which Policy(ies)	NCR 3.3	✗				
Responsible Department(s)	Parks and Recreation					
Supporting Department(s)	Community Development					
6. The City shall review and update the tree mitigation fee required of development activities that remove trees. *(RDR)*						
Implements Which Policy(ies)	NCR 3.3	✗				
Responsible Department(s)	Parks and Recreation					
Supporting Department(s)	Administrative Services					
7. The City shall conduct a study that analyzes the city's tree canopy by land use. Using information from the study, the City shall monitor and prepare a report to the City Council every three years on the status of the city's tree canopy. *(PSR)*						
Implements Which Policy(ies)	NCR 3.4	✗	✗	✗		
Responsible Department(s)	Parks and Recreation					
Supporting Department(s)	Public Works					

Table 3-8 Natural and Cultural Resources Implementation Programs		2016-2018	2019-2023	2024-2035	Annual	Ongoing
8. The City shall amend its Zoning Code to include requirements that new development achieve 50 percent shading of constructed and paved surfaces (*e.g.*, parking lots) within five years of completing construction. *(RDR)*						
Implements Which Policy(ies)	NCR 3.6		✗			
Responsible Department(s)	Community Development					
Supporting Department(s)	Parks and Recreation; Public Works					
9. The City shall conduct a study to identify opportunities to plant new trees on existing City-owned properties. Based on findings from the study, the City shall consider preparing a program to plant trees on City-owned property. *(PSR)*						
Implements Which Policy(ies)	NCR 3.7	✗				
Responsible Department(s)	Parks and Recreation					
Supporting Department(s)	Public Works					
10. The City shall prepare an annual report to the City Council concerning the inventory and status of existing septic tanks in urbanized areas. *(PSR)*						
Implements Which Policy(ies)	NCR 4.4				✗	✗
Responsible Department(s)	Community Development					
Supporting Department(s)	Yolo County Environmental Health					
11. The City shall prepare an annual report to the City Council on the status of groundwater quality throughout the city. *(PSR)*						
Implements Which Policy(ies)	NCR 4.8				✗	✗
Responsible Department(s)	Public Works					
Supporting Department(s)	N/A					

Table 3-8 Natural and Cultural Resources Implementation Programs		2016-2018	2019-2023	2024-2035	Annual	Ongoing
12. The City shall make mailers, brochures, and other materials available to the public for education on the practices and programs to minimize water pollution, conserve water, and use water more efficiently. *(PI)*						
Implements Which Policy(ies)	NCR 4.12	✗				
Responsible Department(s)	Public Works					
Supporting Department(s)	Community Development					
13. The City shall continue to implement a water meter repair and replacement program. *(MPSP)*						
Implements Which Policy(ies)	NCR 5.5					✗
Responsible Department(s)	Public Works					
Supporting Department(s)	N/A					
14. The City shall develop and implement a pro-active program for making energy retrofits to existing municipal buildings with the goal of achieving a 20 percent energy reduction. Priority for action should be old buildings that have been in service for many years, including the Police Department, the Water Plant Lab, and the Sam Coombs Park Building. *(MPSP)*						
Implements Which Policy(ies)	NCR 6.1	✗				
Responsible Department(s)	Public Works					
Supporting Department(s)	City Manager's Office; Administrative Services, Parks and Recreation, Police, Fire					
15. The City shall prepare a study to investigate financing options for funding energy retrofits of older municipal buildings. Based on the findings of the study, the City shall prepare a plan for energy efficiency improvements. *(PSR)*						
Implements Which Policy(ies)	NCR 6.1	✗				
Responsible Department(s)	Public Works					
Supporting Department(s)	Administrative Services					

Table 3-8 Natural and Cultural Resources Implementation Programs		2016-2018	2019-2023	2024-2035	Annual	Ongoing
16. The City shall develop and implement an automobile trip reduction program for City employees, which may include: • Department-sponsored carpooling efforts and rideshare programs; • Preferred parking locations for carpool/rideshare users; • Transit-cost reimbursement or subsidy for employees; • Incentives for employees who use alternative means of transportation (*e.g.,* train, biking, walking, carpooling); and • The use of teleconferencing in lieu of employee travel to conferences and meetings. *(MPSP/SO)*		✗				
Implements Which Policy(ies)	NCR 6.3					
Responsible Department(s)	Public Works					
Supporting Department(s)	City Manager's Office; Administrative Services					
17. As vehicles come up for replacement, the City shall evaluate the feasibility of replacing them with hybrids, alternative fuel, or smaller vehicles. *(SO)*						
Implements Which Policy(ies)	NCR 6.4		✗			
Responsible Department(s)	Public Works					
Supporting Department(s)	All					
18. The City shall replace existing street lights with light emitting diode (LED) street lights with the goal of replacing 100 percent of City-owned and PG&E-owned street lights by 2023. The City shall explore funding opportunities to finance the street light replacement program. *(SO)*						
Implements Which Policy(ies)	NCR 6.7		✗			
Responsible Department(s)	Public Works					
Supporting Department(s)	N/A					

Table 3-8 Natural and Cultural Resources Implementation Programs		2016-2018	2019-2023	2024-2035	Annual	Ongoing
19. The City shall adopt green building standards consistent with or more stringent than the CalGreen Code for new development and redevelopment projects. *(RDR)*						
Implements Which Policy(ies)	NCR 7.1	✗				
Responsible Department(s)	Community Development					
Supporting Department(s)	N/A					
20. The City shall regularly review municipal codes, policies, and procedures to identify and remove regulatory and procedural barriers to implementing green building practices. *(RDR)*						
Implements Which Policy(ies)	NCR 7.2					✗
Responsible Department(s)	Community Development					
Supporting Department(s)	Public Works					
21. The City shall conduct training sessions for all staff responsible for plan review and building inspection to ensure that they are trained in green building materials, practices, and techniques. *(SO)*						
Implements Which Policy(ies)	NCR 7.3	✗				✗
Responsible Department(s)	Community Development					
Supporting Department(s)	Public Works					
22. The City shall distribute brochures, post fliers at City Hall and other municipal buildings, and post information on the City's website about energy efficiency and conservation educational activities and rebate programs provided by Pacific Gas & Electric and/or other local and regional energy providers. *(PI)*						
Implements Which Policy(ies)	7.14	✗				
Responsible Department(s)	Community Development					
Supporting Department(s)	Public Works; Economic Development					

Table 3-8 Natural and Cultural Resources Implementation Programs		2016-2018	2019-2023	2024-2035	Annual	Ongoing
23. The City shall require an assessment by a professional historical resource consultant for projects subject to discretionary approval involving the demolition, relocation, or alteration of a building or structure over 45 years old or that would result in a change to the building or structure's immediate setting. The assessment will determine if the action would cause a substantial adverse change in the significance of an historical resource pursuant to CEQA Guidelines section 15064.5. The historical resource consultant must meet the Secretary of Interior's professional qualification standards for architectural history in order to conduct the assessment. If the assessment determines that the proposed action would cause a substantial adverse change in the significance of an historical resource, the City shall require as a condition of project approval the implementation of appropriate and feasible measures to eliminate or reduce the potential impact. *(RDR)*						✗
Implements Which Policy(ies)	NCR 9.1					
Responsible Department(s)	Community Development					
Supporting Department(s)	N/A					
24. The City shall not knowingly approve any public or private project that may adversely affect a significant archaeological resource without first having a site evaluation conducted by a qualified archaeologist. A qualified archaeologist must meet the Secretary of Interior's professional qualification standards for archaeology in order to conduct the site evaluation. As determined necessary by the archaeologist and the City, the evaluation may include, but not be limited to, an updated records search, pre-construction field surveys, research, testing, and/or other methods that identify whether a substantial adverse impact on significant archaeological resource would occur. If a cultural resource is discovered, the resources shall be examined by a qualified archaeologist to determine its significance and develop appropriate protection and preservation measures. The City shall ensure the implementation of the measures. *(RDR)*						✗
Implements Which Policy(ies)	NCR 9.1					
Responsible Department(s)	Community Development					
Supporting Department(s)	Public Works					

Table 3-8 Natural and Cultural Resources Implementation Programs		2016-2018	2019-2023	2024-2035	Annual	Ongoing
25. The City shall require that when any subsurface cultural resources, paleontological resources, or human remains are encountered, all work within 100 feet of the discovery be stopped and the area protected from further disturbance until the discovery is evaluated. The resources shall be evaluated by qualified personnel to determine their significance and develop appropriate measures to avoid or protect valuable resources. *(RDR)*						✗
Implements Which Policy(ies)	NCR 9.1					
Responsible Department(s)	Community Development					
Supporting Department(s)	Public Works					
26. Following the recommendation of the 1996 Washington Specific Plan, the City shall create a historic district in the Old Broderick area and develop standards for preservation and rehabilitation of historic structures and compatible infill development. *(MPSP)*						
Implements Which Policy(ies)	NCR 9.3		✗			
Responsible Department(s)	Community Development					
Supporting Department(s)	Economic Development & Housing					
27. The City shall work with property owners to register the Washington Water Company Water Tower and Rice Growers' Association Mill site as State Historic Landmarks or listing on the National Register of Historic Sites. *(JP)*						
Implements Which Policy(ies)	NCR 9.5		✗			
Responsible Department(s)	Community Development					
Supporting Department(s)	N/A					

Table 3-8 Natural and Cultural Resources Implementation Programs		2016-2018	2019-2023	2024-2035	Annual	Ongoing
28. The City shall identify potential incentives (*e.g.*, reduced fees, low- or no-interest loans, grants) for owners of historically-significant structures to improve their properties. *(MPSP)*						
Implements Which Policy(ies)	NCR 9.10	X				
Responsible Department(s)	Community Development					
Supporting Department(s)	Economic Development					