

Utilities

Commented [KG1]: Cross-reference to section including planning for SLR

Water Supply and Delivery

Goal U-1

Availability of an adequate, safe, and sustainable water supply and maintenance of an efficient water system for residents and visitors. (Modified Goal 4.B)

- U-1.1 Water Access and Distribution.** Continue to provide high quality water through a cost-effective distribution system, satisfying both normal and emergency water demands. (New)
- U-1.2 Adopted Plans.** Regularly review and update the City's Urban Water Management Plan, along with capital improvement plans, to ensure adequate provision of water supply, infrastructure, maintenance, rehabilitation, funding and conservation strategies. (New)
- U-1.3 New Development.** Require new development to demonstrate the availability of a long-term, reliable water supply (either an existing supply or provision of a new water source) and adequate infrastructure, in accordance with City standards, and to connect to the City's water system. Require new development to be responsible for constructing, dedicating, and/or paying its fair-share contribution for any water system upgrades necessary to serve the development. (Modified Policy 4.B.2)
- U-1.4 Groundwater.** Continue to monitor and protect the quality and quantity of groundwater. (New)
- U-1.5 Groundwater Recharge.** Preserve areas that provide important groundwater recharge capabilities such as the gulches and greenway corridors, undeveloped open space, and natural drainage areas. (New)
- U-1.6 Green Infrastructure.** Continue to encourage the use of green infrastructure that promotes efficient water use and reduced water demand by requiring water-conserving design and equipment in new construction and encouraging the retrofitting of existing development with water-conserving devices. (Modified Policy 4.B.4)
- U-1.7 Water Conservation Programs.** Collaborate with federal, State, and local water agencies and providers to create and enhance long-term water conservation programs as necessary to address drought conditions affecting the Mad River watershed. (New)

Commented [KG2]: Put this in the environmental section?

Wastewater Collection, Treatment and Disposal

Goal U-2

Sustainable and adequate wastewater collection, treatment, and disposal for existing and future development. (Modified Goal 4.C)

- U-2.1 Adequate Infrastructure.** Continue efforts to maintain and improve the City's wastewater collection and treatment system capacity to satisfy dry and wet weather conditions while also detecting and correcting infiltration/inflow (I/I) issues, in accordance with applicable discharge standards. Continue to explore the feasibility of relocation of the wastewater outfall. (Modified Policy 4.C.2)
- U-2.2 Wastewater System Facilities Plan.** Regularly review and update the City's Wastewater System Facilities Plan and other wastewater planning tools and capital improvement plans to ensure adequate wastewater collection, treatment, infrastructure, maintenance, rehabilitation, and funding. (New)
- U-2.3 New Development.** Require new development to demonstrate the availability of sufficient wastewater facilities, in accordance with City plans and standards, and to connect to the City's wastewater treatment system. Require new development to be responsible for constructing, dedicating, and/or paying its fair-share contribution for any wastewater treatment and collection system upgrades necessary to serve the demands generated by the development. (Modified Policy 4.C.5)
- U-2.4 Commercial and Industrial Waste Pretreatment.** Continue to require pretreatment of commercial and industrial wastes prior to their entering the city collection and treatment system, consistent with applicable discharge requirements. (Modified Policy 4.C.3)
- U-2.5 On-Site Sewage Treatment.** Continue to prohibit the development of new on-site sewage treatment and disposal systems within the City limits. (Modified Policy 4.C.4)
- U-2.6 Extension of Sewer Services.** Prohibit extension of sewer service outside of the City limits or sphere of influence, except in limited circumstances to resolve a public health hazard resulting from existing development, or where there is a substantial overriding public benefit. (Existing Policy 4.C.6)
- U-2.7 Best Management Practices.** Identify and implement, where feasible, best practices and technologies for wastewater collection and treatment, including strategies that reduce wastewater requiring treatment, such as waterless toilets or composting garbage disposals and toilets, maintain maximum energy efficiency, and reduce costs and greenhouse gas emissions. (New)

Stormwater Drainage

Goal U-3

A comprehensive stormwater collection and conveyance system that reduces or prevents flooding, and protects public safety and the environment. (Modified Goal 4.D)

- U-3.1 Adequate Infrastructure.** As funding allows, continue efforts to maintain and improve the City's storm drainage system so that it adequately accommodates stormwater runoff and prevents flooding. (New)
- U-3.2 Storm Drain Master Plan.** Regularly review and update the City's Storm Drain Master Plan and capital improvement plans to ensure adequate capacity, infrastructure, treatment, maintenance, and, as available, funding. (New)
- U-3.3 Funding.** Consider establishing a funding mechanism for storm drainage improvements, including replacement, repair, or relocation of storm drain facilities. (Modified Policy 4.D-1)
- U-3.4 Natural Drainage.** Encourage the use of natural stormwater drainage systems in a manner that preserves and enhances natural features such as the sloughs, greenways and gulches, and along the rivers and creeks, while also allowing for maximum water reclamation and reuse. (Modified Policy 4.D.2)
- U-3.5 Recreation Opportunities.** Continue to consider recreational opportunities and aesthetics in the design of stormwater retention and conveyance facilities. (Modified Policy 4.D.4)
- U-3.6 Stormwater Flows along the Waterfront.** Continue to use best available information to identify any necessary improvements to drainage or water control structures to effectively manage stormwater flows and quality in Old Town and along the waterfront. (New)
- U-3.7 New Development.** Require new development to prepare drainage studies and to retain and infiltrate stormwater runoff in compliance with City and regional regulations, plans and standards. Ensure that new development constructs, dedicates and/or pays its fair share contribution to the storm drainage system necessary to serve the demands created by the development. (Modified Policy 4.D.7)
- U-3.8 Low Impact Development.** Encourage and incentivize opportunities to incorporate Low Impact Development in both new construction and remodeling/renovation of existing structures and sites. (New)
- U-3.9 Land Allocation and Mitigation for New Project Runoff.** Require new projects to allocate land as necessary for the purpose of detaining post-project flows. (Modified Policy 4.D.9)

- U-3.10 Stormwater Quality.** Require new development and redevelopment to minimize stormwater runoff and pollutants entering drainage facilities and drainage courses by incorporating Low Impact Development (LID) measures and appropriate Best Management Practices (BMPs) consistent with the City's NPDES permit and the North Coast Regional Quality Control Board regulations. (Modified Policy 4.D.5 and 4.D.6)
- U-3.11 Minimize Drainage Through Design.** Encourage new project designs that minimize impervious surfaces and maintain, to the extent feasible, natural site drainage conditions, while also employing techniques aimed at retaining and reusing runoff and other water used onsite. (Modified Policy 4.D.8)
- U-3.12 Runoff Damage Management at Martin Slough.** Cooperate with Humboldt County and affected landowners in Martin Slough to minimize potential damage and economic loss arising from stormwater runoff, consistent with other policies of this General Plan. (Existing Policy 4.D.10)

Note to City: what is the history of this policy? Do we need to keep and/or expand to include other areas?

Solid Waste Collection and Disposal

Goal U-4

Safe and efficient disposal or recycling of solid waste generated in Eureka. (Existing)

- U-4.1 Adequate Services.** Continue to support solid waste facility operators and service providers in local solid waste collection, disposal, and recycling efforts. (New)
- U-4.2 Illegal Dumping.** Continue to work towards eliminating illegal dumping. (Modified Policy 4.E.1)
- U-4.3 Increase Waste Diversion.** Promote maximum use of solid waste source reduction, recycling, composting, and environmentally-safe transformation of wastes, maximizing solid waste diversion opportunities. (Modified Policy 4.E.2)
- U-4.4 Composting Programs.** Continue to work with regional composting facilities to continue and increase composting services for residents and businesses. (New)
- U-4.5 Solid Waste Management per State Mandated Diversion Goals.** Continue to partner with Humboldt Waste Management Authority and City-designed franchise hauler to further plan for and document compliance with State-mandated source reduction, diversion, and recycling requirements. (New)

- U-4.6 Recycling for Residential Uses.** Continue to encourage residential uses to increase the solid waste diversion from landfills through participation of the recycling programs and organic waste diversion, consistent with State-mandated diversion goals and the City's goals to reduce greenhouse gas emissions. (New)
- U-4.7 Recycling for Commercial and Industrial Uses.** Continue to encourage the development of regional and community-based recycling facilities in heavy industrial areas while also establishing more waste reduction requirements for commercial and industrial uses. (Modified Policy 4.E.4)
- U-4.8 Waste Education.** Collaborate with Humboldt Waste Management Authority and City-designed franchise hauler to inform residents and businesses about methods to increase recycling and waste diversion, namely composting and organics diversion. (New)

Energy

Goal U-5

Increased renewable energy provision and overall energy efficiency and conservation throughout the City. (New)

- U-5.1 High-quality Energy Provision.** Continue to provide and develop high-quality and efficient facilities and infrastructure, ensuring the facilities and infrastructure are adequate throughout the City and compatible with surrounding development. (Modified Policy 4.A.1)
- U-5.2 Energy Conserving Land Use Practices.** Implement energy conserving land use practices that include compact and mixed use development, provision of bikeways and pedestrian paths, and the incorporation and enhancement of transit routes and facilities. (New)
- U-5.3 Design Process.** Engage with property owners and developers early in the design process to incorporate energy saving strategies into appropriate projects. (New)
- U-5.4 Building Orientations.** Require, to the extent feasible, building orientations and landscape designs that promote the use of natural lighting, take advantage of passive summer cooling and winter solar access, and incorporate other techniques to reduce energy demands. (New)
- U-5.5 Renewable Energy.** Require new industrial users, and encourage all other new development when financially feasible, to install renewable energy systems and facilities (e.g., solar and wind energies), consistent with the City's greenhouse gas emission reduction goals. (New)
- U-5.6 Community Energy Efficiency.** Identify and promote programs, funding opportunities, and rebates from utility providers to increase energy conservation in existing buildings and require new buildings to implement

additional energy efficient measures that are consistent with the City's greenhouse gas emission reduction goals. (New)

- U-5.8 Community Aggregation.** Encourage property owners and residents to participate in Community Choice Aggregation programs to allow lower electric rates and local control of energy sources. (New)
- U-5.9 City Energy Efficiency.** Promote energy conservation for all City-owned facilities, vehicles, and equipment, and implement additional energy efficient measures that are consistent with the City's goal of reducing greenhouse gas emissions. (New)
- U-5.10 Green Buildings and Businesses.** Explore providing incentives for development that generates renewable energy and uses sustainable and energy-efficient technologies that result in minimized carbon footprints. (New)
- U-5.11 Underground Utilities.** Continue promoting the undergrounding of overhead utility lines whenever feasible, particularly in recreational facilities, the Core Area, and new residential development, working closely with electricity and telecommunication providers. Continue requiring the undergrounding of overhead utility lines in undergrounding districts established by the Council. (Modified Policy 4.A.8)
- U-5.12 Energy Education and Outreach.** Encourage a public understanding of the importance of renewable energy and energy efficiency through partnerships with energy-related organizations. (Modified Policy 4.A.8)

Telecommunications

Goal U-6

Safe, efficient, and accessible communication systems that help catalyze economic development, government services, and an informed citizenry. (Existing)

- U-6.1 Access.** Coordinate with local internet, cellular, and other telecommunications service providers to ensure access to and availability of a wide range of high quality telecommunication systems and services, including internet redundancy within the City and County. (Modified Policy 4.A.8)
- U-6.2 Service Equity.** Work with local telecommunications service providers to retrofit areas currently lacking telecommunication technologies and pursue strategic long-range planning of facilities for new development. (New)
- U-6.3 New Development.** Establish requirements for the installation of high quality telecommunications technologies in new planned office, commercial, industrial, and residential developments. (New)

- U-6.4 Co-location.** Require co-location of telecommunication facilities in a manner that maximizes compatibility and minimizes visual impacts on surrounding uses. (New)
- U-6.5 Undergrounding Utilities.** Collaborate with local telecommunications service providers to underground existing telecommunications facilities and ensure that new facilities are constructed below ground. (New)

Draft

