Proposed General Plan Update Goals, Policies, and Implementation Actions



Infrastructure

The construction and maintenance of infrastructure is necessary to support existing and planned land uses and to achieve Environmental Leadership, Innovative Economy, Healthy Neighborhoods and other City goals. The City is committed to providing adequate infrastructure to support the day-to-day needs of the City's residents and businesses. Water, wastewater, storm, solid waste, recycling and other infrastructure systems will be expanded concurrent with new development, employment and population growth. As most new growth will occur within the already urbanized areas of the City, new infrastructure projects will generally focus on expansions and enhancements to existing infrastructure, supporting intensification of the Downtown, North San Jose and other employment areas, transit areas including the urban Corridors and Villages and other planned Growth Areas.

General Provision of Infrastructure

Goal IN-1 Provide and maintain adequate water, wastewater, storm drainage, water treatment, solid waste and recycling, and recycled water infrastructure to support the needs of the City's residents and businesses.

IN-1 General Provision of Infrastructure Policies

- Policy IN-1.1 Continue to provide and maintain adequate water, wastewater, and storm drainage services to areas in the city currently receiving these services from the City.
- Policy IN-1.2 Provide and maintain adequate water, wastewater, and storm drainage services to areas in the city that do not currently receive these City services upon funding and construction of the infrastructure necessary to provide these City services.
- Policy IN-1.3 Continue to provide sustainable utility services and infrastructure in a costefficient manner consistent with the General Plan goals and policies related to Fiscal Sustainability.
- Policy IN-1.4 Give priority to the development of infrastructure within identified Growth Areas to support the amount, type and location of new development planned through the Land Use / Transportation Diagram and other General Plan goals and policies.
- Policy IN-1.5 Require new development to provide adequate facilities or pay its fair share of the cost for facilities needed to provide services to accommodate growth without adversely impacting current service levels.

- Policy IN-1.6 Ensure that public facilities and infrastructure are designed and constructed to meet ultimate capacity needs to avoid the need for future upsizing. For facilities subject to incremental upsizing, initial design shall include adequate land area and any other elements not easily expanded in the future. Infrastructure and facility planning should discourage over-sizing of infrastructure which could contribute to growth beyond what was anticipated in the General Plan.
- Policy IN-1.7 Implement financing strategies, including assessment of fees and establishment of financing mechanisms, to construct and maintain needed infrastructure facilities to maintain established service levels and to mitigate development impacts to these systems (e.g., pay capital costs associated with existing infrastructure that has inadequate capacity to serve new development and contribute toward operations and maintenance costs for upgraded infrastructure facilities).
- Policy IN-1.8 Support the development of joint-use water, stormwater, and other utility facilities as appropriate in conjunction with schools, parks, golf courses, and other suitable uses to achieve economy and efficiency in the provision of services and facilities.
- Policy IN-1.9 Design new public and private utility facilities to be safe, aesthetically pleasing, compatible with adjacent uses and consistent with the General Plan goals and policies for environmental leadership, an innovative economy and quality neighborhoods.
- Policy IN-1.10 Require undergrounding of all new publicly owned utility lines, encourage undergrounding of all privately owned utility lines in new developments, and work with electricity and telecommunications providers to underground existing overhead lines.
- Policy IN-1.11 Locate and design utilities to avoid or minimize impacts to environmentally sensitive areas and habitats.
- Action IN-1.12 Review existing adjacent and overlapping special districts and consider whether annexation, detachment, consolidation, and/or retention of existing special districts for storm drainage, stormwater, wastewater, and solid waste is needed to increase the efficiency and quality of service and delivery.

Infrastructure Management

Goal IN-2: Manage City resources efficiently in order to maintain existing infrastructure and facilities and avoid unnecessary replacement costs. (GP2020)

IN-1 Infrastructure Management Policies

- Policy IN-2.1 Utilize the City's Infrastructure Management System Program to identify the most efficient use of available resources to maintain the City's infrastructure and minimize the need to replace this infrastructure. (GP2020)
- Policy IN-2.2 Explore new methods to supplement the City's existing resources devoted to the operation and maintenance of its infrastructure and facilities. (GP2020)
- Policy IN-2.3 Upgrade City infrastructure service levels, when feasible, or to respond and align with local, State and Federal regulatory requirements.

Water Supply, Sanitary Sewer and Storm Drainage

Goal IN-3: Provide water supply, said

Provide water supply, sanitary sewer, and storm drainage infrastructure facilities to meet future growth planned within the City, to assure high-quality service to existing and future residents, and to fulfill all applicable local, State and Federal regulatory requirements.

IN-2 Water Supply, Sanitary Sewer and Storm Drainage Policies

- Policy IN-3.1 Achieve minimum level of services:
 - 1. For sanitary sewers, achieve a minimum level of service "D" or better as described in the Sanitary Sewer Level of Service Policy and determined based on the guidelines provided in the Sewer Capacity Impact Analysis (SCIA) Guidelines..
 - 2. For storm drainage, to minimize flooding on public streets and to minimize the potential for property damage from stormwaters, implement a 10-year return storm design standard throughout the City, and in compliance with all local, State and Federal regulatory requirements.
- Policy IN-3.2 Work with water retailers to provide water supply facilities to meet future growth within the City's Urban Service Area and assure a high-quality and reliable supply of water to existing and future residents.
- Policy IN-3.4 Meet the water supply, sanitary sewer and storm drainage level of service objectives through an orderly process of ensuring that, before development occurs, there is adequate capacity in existing sewer mains.
- Policy IN-3.5 Maintain and implement the City's Sanitary Sewer Level of Service Policy and Sewer Capacity Impact Analysis (SCIA) Guidelines to:
 - Prevent sewage spills from the sanitary sewer system due to inadequate capacity so as to ensure that the City complies with all applicable requirements of the Federal Clean Water Act and State Water Board's General Waste Discharge Requirements for Sanitary Sewer Systems and National Pollutant Discharge Elimination System permit,

- Maintain reasonable excess capacity in order to protect sewers from increased rate of hydrogen sulfide corrosion and minimize odor and potential maintenance problems, and
- Ensure adequate funding and timely completion of the most critically needed sewer capacity projects.
- Ensure that sewage spills or sanitary sewer overflows (SSOs) from the
 collection system do not occur due to inadequate sewer capacity. SSOs
 may pollute surface or ground waters, threaten public health, adversely
 affect aquatic life, and impair the recreational use and aesthetic
 enjoyment of surface waters.
- Promote clear guidance, consistency and predictability to developers regarding the necessary sewer improvements to support development within the City.
- Policy IN-3.6 Require Development which will have the potential to reduce the downsteam LOS to lower than "D", or development which would be served by downstream lines already operating at a LOS lower that "D", to provide mitigation measures to improve the LOS to "D" or better, either acting independently or in coordination with the City's Sanitary Sewer Capital Improvement Program.
- Policy IN-3.8 Consistent with the Goals, Policies and Implementation Actions for Water Supply, expand the City's infrastructure for the delivery of non-potable or recycled water.
- Policy IN-3.9 Design new projects to minimize potential damage due to storm waters and flooding to the site and other properties. (SJ2020)
- Policy IN-3.10 In designing improvements to creeks and rivers, protect adjacent properties from flooding. (SJ2020)
- Policy IN-3.11 Require developers to prepare drainage plans for proposed developments that define needed drainage improvements per City standards.
- Policy IN-3.12 Incorporate appropriate stormwater treatment measures in development projects to achieve stormwater quality and quantity standards and objectives in compliance with the City's National Pollutant Discharge Elimination System (NPDES) permit.
- Policy IN-3.13 The "modified floodplain design" is the preferred design for future flood control facilities. Use the "widen-one-bank" and "trapezoidal channel" designs only when funding or right-of-way limitations make the use of the modified flood plain design impractical. (SJ2020)

Policy IN-3.14 Coordinate efforts with other agencies in the development of regional stormwater facilities.

IN-3 Water Supply, Sanitary Sewer and Storm Drainage Actions

- Action IN-3.15 Maintain and implement the Sanitary Sewer Master Plan Program to determine sewer system capacity needs.
- Action IN-3.16 Develop a sewer capacity improvement program to identify sewer capacity needs, using a computerized hydraulic model of the City's sewer system, supported by sewer flow monitoring at strategic locations within the system.
- Action IN-3.17 Develop a Storm Drainage Infrastructure Master Plan to
 - Identify facilities needed to prevent 10-year event street flooding and 100-year event structure flooding.
 - Ensure that public facilities and infrastructure are designed pursuant to approved State, regional and local regulatory requirements.
 - Ensure that adequate land area and any other elements are provided for facilities subject to incremental sizing (e.g., detention basins and pump stations).
 - Identify opportunities to meet water quality protection needs in a costeffective manner.
- Action IN-3.18 Develop and implement a Green Streets plan consistent with NPDES permit requirements.

Wastewater Treatment and Water Reclamation

Goal IN-4: Provide, maintain and operate wastewater treatment and water reclamation facilities to support City development goals and planned future growth, through the implementation of innovative technologies and operational practices, and to fulfill all applicable local, State and

IN-4 Wastewater Treatment and Water Reclamation Policies

federal regulatory requirements.

- Policy IN-4.1 Monitor and regulate growth so that the cumulative wastewater treatment demand of all development can be accommodated by San José's share of the treatment capacity at the San José/Santa Clara Water Pollution Control Plant. (SJ2020)
- Policy IN-4.2 Maintain adequate operational capacity for wastewater treatment and water reclamation facilities to accommodate the City's economic and population growth.

- Policy IN-4.3 Adopt and implement new technologies for the operation of wastewater treatment and water reclamation facilities to achieve greater safety, energy efficiency and environmental benefit.
- Policy IN-4.4 Maintain and operate wastewater treatment and water reclamation facilities in compliance with all applicable local, State and federal clean water, clean air, and health and safety regulatory requirements.
- Develop projects, policies and programs to convert wastewater treatment streams into energy so that the wastewater treatment facilities can operate as fully energy self-efficient.
- Policy IN-4.6 Continue to encourage water conservation and other programs which result in reduced demand for wastewater treatment capacity. (SJ2020)
- Policy IN-4.7 Support programs to maximize the beneficial use of wastewater treatment and water reclamation byproducts, which may include water, bio-solids and nutrients.
- Policy IN-4.8

IN-4 Water Pollution Control Plant Actions:

Action FS-4.9 Prepare, maintain and implement a Master Plan(s) for the ongoing capital improvement, maintenance, and operation of the wastewater treatment and water reclamation facilities.

Solid Waste - Materials Recovery Facility / Landfill

Goal IN-5: Develop and maintain materials recovery and landfill facilities to meet community needs, advance the City's Zero Waste goals and to comply with applicable regulatory requirements.

IN-5 Solid Waste – Materials Recovery Facility / Landfill Policies

- Policy IN-5.1 Monitor the continued availability of long-term collection, transfer, recycling and disposal capacity to ensure adequate solid waste capacity. (SJ2020 modified) Periodically assess infrastructure needs to support the City's waste diversion goals. Work with private MRF and Landfill operators to provide facility capacity to implement new City programs to expand recycling, composting and other waste processing.
- Policy IN-5.2 Explore new methods to supplement the City's existing resources devoted to the operation and maintenance of its solid waste and recycling infrastructure and facilities. (SJ2020 modified)
- Policy IN-5.3 Use solid waste reduction techniques, including source reduction, reuse, recycling, source separation, composting, energy recovery and transformation of solid wastes to extend the life span of existing landfills and to reduce the need for future land fill facilities and to achieve the City's Zero Waste goals.

Policy IN-5.4 Support the expansion of infrastructure to provide increased capacity for Materials Recovery Facilities (MRF)/transfer, composting, and Construction and Demolition materials processing (C&D) at privately operated facilities and on lands under City control to provide increased long-term flexibility and certainty. Policy IN-5.5 Preserve industrial lands, consistent with General Plan Land Use and Fiscal Sustainability policies, to support the City's future waste management infrastructure needs. Policy IN-5.6 Promote secondary uses at MRF and land fill sites, including economically beneficial recovery of solid waste resources, waste to energy conversion, organic materials processing, and development of resource recovery parks. Policy IN-5.7 Achieve a high level of public awareness of solid waste issues and alternatives to land filling. Policy IN-5.9 Promote the implementation of new technologies and practices to provide operational efficiencies, to reduce potential environmental impacts and to minimize potential land use incompatibility. Policy IN-5.10 Locate and operate solid waste disposal facilities in a manner which protects environmental resources and is compatible with existing and planned surrounding land uses. (SJ2020) Policy IN-5.11 Plan, maintain and operate MRF and Land fill facilities in a manner that mitigates potential negative environmental and land use impacts, including surface water or ground water contamination, issues related to birds, insects, rodents or other wildlife, increased traffic and traffic hazards, noise and odor problems, pollution and potential littering of traffic routes, and windborne and waterborne litter. Policy IN-5.12 New solid waste landfills should be established only on lands designated with the Candidate Solid Waste Landfill Site overlay ("CSW").-(SJ2020 modified) Policy IN-5.13 Access routes to solid waste landfill sites in non-urban areas should be designed and controlled so as to avoid encouraging urban development on adjacent or nearby properties. Policy IN-5.14 No new candidate landfill sites should be designated until the need for additional landfill capacity has been established. Source reduction,

recycling/composting alternatives, and waste conversion should be taken into

account when evaluating the need for a landfill.

- Policy IN-5.15 No new candidate landfill sites should be designated in the General Plan until a Countywide site review has been conducted according to criteria established through the County Integrated Management Plan process.
- Policy IN-5.16 The preferred method for increasing the City's landfill capacity is to expand the capacity of existing landfill sites and monitor the continued availability of recycling, resource recovery and composting capacity to ensure adequate long term capacity.
- Policy IN-5.17 Plan for the eventual phased restoration of the portions of landfill facilities where waste processing and composting operations are not maintained, located outside of the Urban Growth Boundary, to recreational or open space uses, including revegetation with native plant species.
- Policy IN-5.18 Use landscape and design measures to screen solid waste land fill sites from public view when they are not already screened by topography and naturally occurring vegetation.
- Policy IN-5.19 Methane gas may be recovered from a closed solid waste landfill irrespective of the land use designation of the site.

Telecommunications

Goal IN-6:

Support the provision of state-of-the-art telecommunication services for households, businesses, institutions, and public agencies throughout the city to foster an innovative economy, support environmental leadership, meet the needs of quality neighborhoods and advance other General Plan goals.

IN-6 Telecommunications Policies

- Policy IN-6.1 Work with service providers to ensure access to and availability of a wide range of state-of-the-art telecommunication systems and services for households, businesses, institutions, and public agencies throughout the city.
- Policy IN-6.2 Work with utility companies to retrofit areas that are not served by current telecommunication technologies and provide strategic long-range planning of telecommunication facilities for newly developing areas, as feasible.
- Policy IN-6.3 Encourage local industries, higher educational institutions, and other entities to support innovation in the design and implementation of state-of-the-art telecommunication technologies and facilities.
- Policy IN-6.4 Encourage compatible collocation of telecommunication facilities. Work with utility companies to provide opportunities for siting telecommunications facilities on City-owned property and public right-of-ways.

IN-6 Telecommunications Actions

Action IN-6.5 Establish requirements for the installation of state-of-the-art internal telecommunications technologies in new large-scale planned communities and office and commercial developments (e.g., wiring of all new housing and businesses).