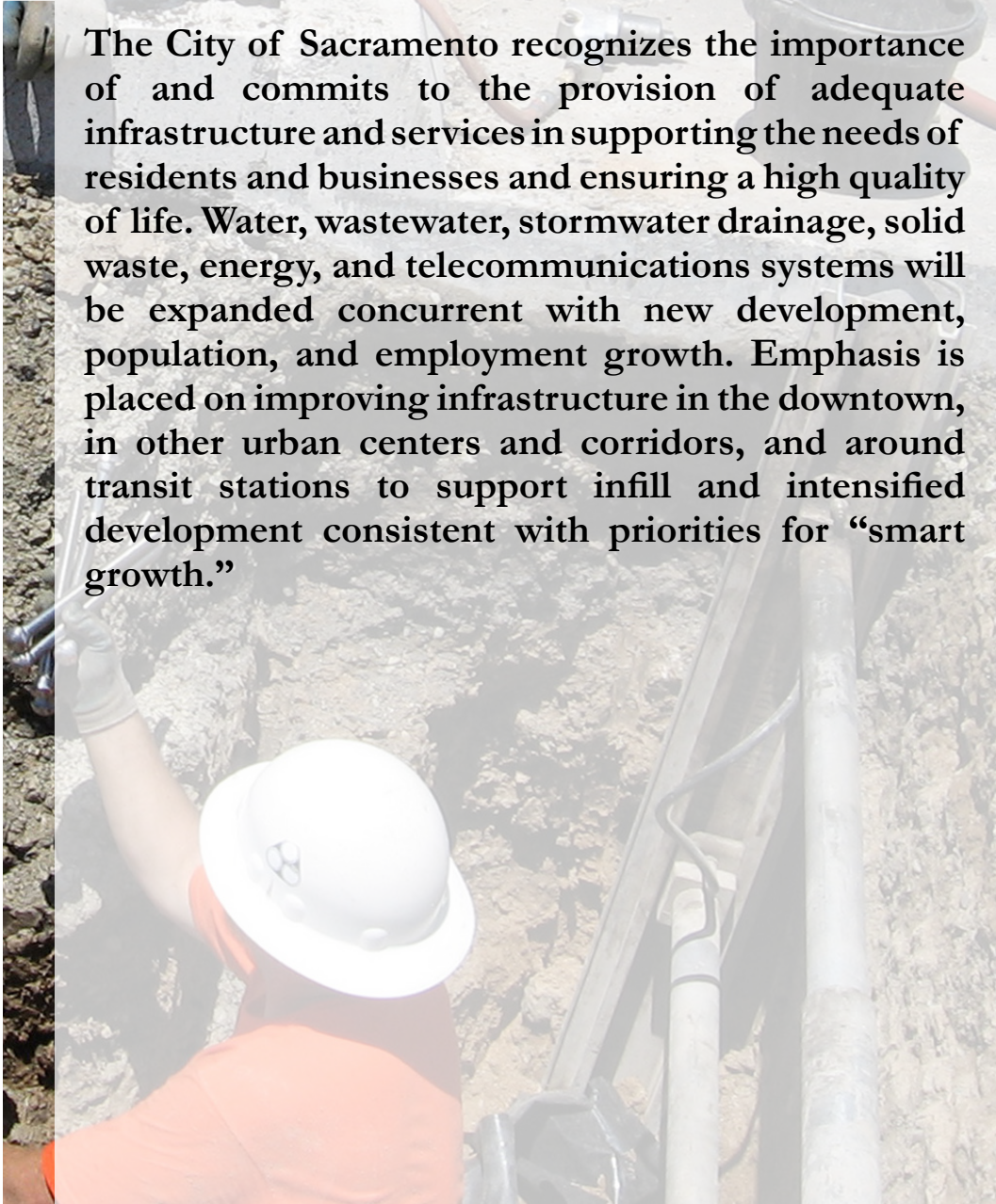




# UTILITIES

The City of Sacramento recognizes the importance of and commits to the provision of adequate infrastructure and services in supporting the needs of residents and businesses and ensuring a high quality of life. Water, wastewater, stormwater drainage, solid waste, energy, and telecommunications systems will be expanded concurrent with new development, population, and employment growth. Emphasis is placed on improving infrastructure in the downtown, in other urban centers and corridors, and around transit stations to support infill and intensified development consistent with priorities for “smart growth.”









# Citywide Utilities

Policies in this section provide for high-quality and efficient utility services throughout the city. A level of service for all utilities will be established and utilities will be managed to meet the established level of service. Utility policies promote sustainability and seek to limit impacts to environmentally sensitive areas.



*City utility workers providing infrastructure improvements in Natomas.*

## GOAL U 1.1

**High-Quality Infrastructure and Services.** Provide and maintain efficient, high-quality public infrastructure facilities and services throughout the city.

### Policies

- U 1.1.1**      **Provision of Adequate Utilities.** The City shall continue to provide and maintain adequate water, wastewater, and stormwater drainage utility services to areas in the city, and shall provide and maintain adequate water, wastewater, and stormwater drainage utility services to areas in the city that do not currently receive these City services upon funding and construction of necessary infrastructure. *(MPSP/SO)*
- U 1.1.2**      **Citywide Level of Service Standards.** The City shall establish and maintain service standards [Levels of Service (LOS)] for water, wastewater, stormwater drainage, and solid waste services. *(MPSP/SO)*
- U 1.1.3**      **Sustainable Facilities and Services.** The City shall continue to provide sustainable utility services and infrastructure in a cost-efficient manner. *(MPSP/SO)*

*See LU 1, Growth and Change, and LU 10, Special Study Areas and Planned Development, for additional policies related to the provision of infrastructure facilities for new development.*

**U 1.1.4**

**Timing of Urban Expansion.** The City shall assure that new public facilities and services are phased in conjunction with the approved urban development they are intended to serve. *(MPSP/SO)*



*Workers repairing underground utility infrastructure.*

**U 1.1.5**

**Growth and Level of Service.** The City shall 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. *(JP)*

**U 1.1.6**

**Infrastructure Finance.** The City shall develop and implement a financing strategy and assess fees to construct needed water, wastewater, stormwater drainage, and solid waste 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). The City shall also assist developers in identifying funding mechanisms to cover the cost of providing utility services in infill areas. *(MPSP/FB)*



*Joint use stormwater drainage/detention facility in conjunction with a park.*

**U 1.1.7**

**Infill Areas** 🌐. The City shall identify and prioritize infill areas for infrastructure improvements. *(PS)*

**U 1.1.8**

**Joint-Use Facilities** 🌐. The City shall support the development of joint-use water, drainage, 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. *(IGC/SO)*



**U 1.1.9** **Utilities Location.** The City shall limit, to the extent financially and technically feasible, the construction of major infrastructure facilities in areas better suited for infill and urban development. (RDR/MPSP)

*See LU 1, Growth and Change, for additional policies related to infill development.*

**U 1.1.10** **Safe, Attractive, and Compatible Utility Design.** The City shall ensure that public utility facilities are designed to be safe, aesthetically pleasing, and compatible with adjacent uses. (RDR/MPSP)

**U 1.1.11** **Underground Utilities.** The City shall 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. (RDR/IGC)



*The photographs to the left illustrate an area where overhead utility lines (top) were undergrounded (bottom).*



**U 1.1.12** **Impacts to Environmentally Sensitive Lands.** The City shall locate and design utilities to avoid or minimize impacts to environmentally-sensitive areas and habitats. (MPSP/RDR)

*See ER 1, Water Resources, and ER 2, Biological Resources, for additional policies related to natural resource protection.*





*Sacramento River Water Treatment Plant intake structure.*



# Water Systems

Policies in this section ensure existing and future residents a reliable water supply by utilizing the City's water rights and maintaining long-term water supply plans, as well as by updating water rates and water development fees to cover maintenance and development of infrastructure. Water conservation policies will be implemented by the City to increase water use efficiency. Existing water infrastructure will be maintained and priority given to fund critical infrastructure in need of improvements, while new development will not be constructed until adequate infrastructure is in place.

## GOAL U 2.1

High-Quality and Reliable Water Supply. Provide water supply facilities to meet future growth within the city's Place of Use and assure a high-quality and reliable supply of water to existing and future residents.

*See ER 1, Water Resources, for additional policies on water and water resources.*

## Policies

- U 2.1.1**      **Exercise and Protect Water Rights.** The City shall exercise and protect its water rights and entitlements in perpetuity. *(SO)*
- U 2.1.2**      **Increase water supply sustainability** 🌍. The City shall maintain a surface water/groundwater conjunctive use program, which uses more surface water when it is available and more groundwater when surface water is limited. *(MPSP)*
- U 2.1.3**      **Water Treatment Capacity and Infrastructure.** The City shall plan, secure funding for, and procure sufficient water treatment capacity and infrastructure to meet projected water demands. *(MPSP/FB/SO)*
- U 2.1.4**      **Priority for Water Infrastructure.** The City shall give high priority in capital improvement programming to funding rehabilitation or replacement of critical infrastructure that has reached the end of its useful life. *(FB)*
- U 2.1.5**      **Comprehensive Water Supply Plans.** The City shall prepare, implement, and maintain long-term, comprehensive water supply plans. *(MPSP)*
- U 2.1.6**      **High-Quality Service Provision.** The City shall provide water service that meets or exceeds State and Federal drinking water standards. *(MPSP/SO)*



*See PHS 4, Emergency Response and Disaster Preparedness, for additional policies on emergency preparedness.*



**U 2.1.7**      **Water Supply During Emergencies.** The City shall, to the extent feasible, maintain adequate water supply during emergencies. *(MPSP/SO)*

**U 2.1.8**      **Emergency Water Conservation.** The City shall reduce water use during periods of water shortages and emergencies. *(PSR/PI)*

**U 2.1.9**      **New Development.** The City shall ensure that water supply capacity is in place prior to granting building permits for new development. *(RDR)*

**U 2.1.10**     **Water Conservation Standards** 🌍. The City shall achieve a 20 percent reduction in per-capita water use by 2020 consistent with the State’s 20x2020 Water Conservation Plan (California Water Resources Control Board, 2010). *(RDR)*

**U 2.1.11**     **Water Conservation Programs** 🌍. The City shall implement conservation programs that increase water use efficiency, including providing incentives for adoption of water efficiency measures. *(RDR/MPSP/SO)*

**U 2.1.12**     **Water Conservation Enforcement** 🌍. The City shall continue to enforce City ordinances that prohibit the waste or runoff of water, establish limits on outdoor water use, and specify applicable penalties. *(RDR)*

*See LU 1, Growth and Change, for additional policies related to the provision of services for new development.*





- U 2.1.13**      **Recycled Water** 🌍. The City shall continue to investigate the feasibility of utilizing recycled water where appropriate, cost effective, safe, and environmentally sustainable. *(PSR)*
- U 2.1.14**      **Rain Capture** 🌍. The City shall promote the use of rain barrels and rain gardens to conserve water, while not increasing the occurrence of disease vectors. *(PI)*
- U 2.1.15**      **Landscaping** 🌍. The City shall continue to require the use of water-efficient and river-friendly landscaping in all new development, and shall use water conservation gardens (e.g., Glen Ellen Water Conservation Office) to demonstrate and promote water conserving landscapes. *(RDR/PI)*
- U 2.1.16**      **River-Friendly Landscaping** 🌍. The City shall promote “River Friendly Landscaping” techniques which include the use of native and climate appropriate plants; sustainable design and maintenance; underground (water-efficient) irrigation; and yard waste reduction practices. *(RDR/PI)*
- U 2.1.17**      **Water Conservation Outreach** 🌍. The City shall continue providing public education (e.g., Bluethumb Program) and conducting outreach campaigns to promote water conservation efforts. Programs should highlight specific water-wasting activities to discourage, such as the watering of non-vegetated surfaces and using water to clean sidewalks and driveways, and educate the community about the importance of water conserving techniques. Water efficiency training and certification for irrigation designers, installers, and property managers should also be offered. *(PI)*
- U 2.1.18**      **Future Water Supply** 🌍. The City shall continue to explore options for diverting, treating, and conveying surface water. Such options could include: construction of a new water treatment plant on the Sacramento River in Natomas; construction of a raw water pipeline to pump flow back from the Sacramento River to s City water treatment plant for treatment; and/or the expansion of the Sacramento River Water Treatment Plant.





*Sacramento Regional County Sanitation District treatment plant.*

*Photograph courtesy of  
Sacramento Regional County Sanitation District*



# Wastewater Systems

Policies in this section provide for adequate and reliable sewer service by requiring master planned infrastructure for new developments to meet ultimate capacity needs and avoid future replacement. Plans will be developed and financing programs proposed for areas where services are or will soon be deficient. Wastewater outflows will be minimized and capacity will be developed and maintained to handle additional sewer flows from new development.

## GOAL U 3.1

Adequate and Reliable Sewer and Wastewater Facilities. Provide adequate and reliable sewer and wastewater facilities that collect, treat, and safely dispose of wastewater.

### Policies

- U 3.1.1**      **Sufficient Service.** The City shall provide sufficient wastewater conveyance, storage, and pumping capacity for peak sanitary sewer flows and infiltration. *(MPSP)*
- U 3.1.2**      **New Developing Areas** 🌐. The City shall ensure that public facilities and infrastructure are designed to meet ultimate capacity needs. 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 that could contribute to growth beyond what is anticipated in the General Plan. *(MPSP)*
- U 3.1.3**      **Stormwater Infiltration Reduction.** The City shall develop design standards that reduce infiltration into new City-maintained sewer pipes. *(RDR/MPSP)*
- U 3.1.4**      **Combined Sewer System Rehabilitation and Improvements.** In keeping with its Combined Sewer System (CSS) Long Term Control Plan (LTCP), the City shall continue to rehabilitate the CSS to decrease flooding, CSS outflows and Combined System Overflow (CSO). Through these improvements and new development requirements the City shall also insure that development in the CSS does not result in increased flooding, CSS outflows or CSOs. *(SO)*



*See LU 1, Growth and Change, for additional policies related to the provision of services for new development.*



**U 3.1.5**

**Methane Recovery** 🌐. The City shall support the efforts of the Sacramento Regional County Sanitation District (SRCSD) to develop and maintain methane recovery facilities and coordinate efforts to evaluate methane emissions and potential capture at primary and secondary clarifiers and force system mains; maintain methane recovery systems and digester gas combustion systems at wastewater treatment plants; develop waste-to-energy projects at 50 percent of wastewater treatment plants; and evaluate potential for biofuel production at the Sacramento Regional Wastewater Treatment Plant. *(IGC)*





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# Stormwater Drainage

Policies in this section require construction of adequate storm drainage facilities and services. Policies ensure new drainage facilities are adequately sized and constructed, support coordinated efforts in the development of regional stormwater facilities, and require developers to prepare watershed drainage plans.

## GOAL U 4.1

**Adequate Stormwater Drainage.** Provide adequate stormwater drainage facilities and services that are environmentally sensitive, accommodate growth, and protect residents and property.

### Policies

**U 4.1.1 Adequate Drainage Facilities.** The City shall ensure that all new drainage facilities are adequately sized and constructed to accommodate stormwater runoff in urbanized areas. *(MPSP/RDR)*



*Construction of a stormwater drainage facility with curb and gutter.*

**U 4.1.2 Master Planning** 🌐. The City shall implement a master plan program 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 basin master plans
- Ensure that adequate land area and any other elements are provided for facilities subject to incremental sizing (e.g., detention basins and pump stations)
- Consider the use of “green infrastructure” and Low Impact Development (LID). *(MPSP)*

**U 4.1.3 Regional Stormwater Facilities.** The City shall coordinate efforts with Sacramento County and other agencies in the development of regional stormwater facilities. *(IGC)*



*Vactor trucks efficiently collect waste and sediment from catch basins and manholes.*

**U 4.1.4 Watershed Drainage Plans.** The City shall require developers to prepare watershed drainage plans for proposed developments that define needed drainage improvements per City standards, estimate construction costs for these improvements, and comply with the City’s National Pollutant Discharge Elimination System (NPDES) permit. *(RDR)*

*See EC 2, Flooding Hazards, for additional policies on flooding and flood protection.*

- U 4.1.5** **Green Stormwater Infrastructure** 🌍. The City shall encourage “green infrastructure” design and Low Impact Development (LID) techniques for stormwater facilities (i.e., using vegetation and soil to manage stormwater) to achieve multiple benefits (e.g., preserving and creating open space, improving runoff water quality). *(RDR)*
- U 4.1.6** **New Development** 🌍. The City shall require proponents of new development to submit drainage studies that adhere to City stormwater design requirements and incorporate measures, including “green infrastructure” and Low Impact Development (LID) techniques, to prevent on- or off-site flooding. *(RDR)*





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# Solid Waste

Policies in this section support a wide range of programs to reduce waste, use recycled building materials, and support the recycling of construction and landscaping waste. These policies are consistent with Sacramento's desire to be a more sustainable community; recycling can reduce greenhouse gas emissions through energy savings, and reduced solid waste results in less land devoted to landfills. The use of disposable, toxic, or non-renewable products will be reduced in City operations and residents will be educated on the benefits of waste diversion and recycling. Solid waste and recycling facilities will be distributed throughout the city and will be designed compatible with surrounding land uses.

## GOAL U 5.1

**Solid Waste Facilities.** Provide adequate solid waste facilities, meet or exceed State law requirements, and utilize innovative strategies for economic and efficient collection, transfer, recycling, storage, and disposal of refuse.

*See LU 2, Citywide Land Use and Urban Design, for additional policies on sustainable practices.*

## Policies

- U 5.1.1**      **Zero Waste** 🌐. The City shall achieve zero waste to landfills by 2040 through reusing, reducing, and recycling solid waste; and using conversion technology if appropriate. In the interim, the City shall achieve a waste reduction goal of 75 percent diversion from the waste stream over 2005 levels by 2020 and 90 percent diversion over 2005 levels by 2030, and shall support the Solid Waste Authority in increasing commercial solid waste diversion rates to 30 percent. *(SO/MPSP)*
- U 5.1.2**      **Landfill Capacity** 🌐. The City shall continue to coordinate with Sacramento County in providing long-term landfill disposal capacity within the Sacramento Region to reduce greenhouse gas emissions. *(IGC)*
- U 5.1.3**      **Transfer Stations.** The City shall provide for adequate transfer station facilities to meet the city's demand. *(MPSP)*



*A recycling center facility that is compatible with the surrounding residential and commercial neighborhood uses.*



*High school-age volunteers during a neighborhood clean up day.*

- U 5.1.4** **Equitably Distributed and Compatible Facilities** 🌐. The City shall ensure that solid waste and recycling facilities are distributed equitably throughout the city, avoiding over-concentration in areas that are well-served, and shall ensure that facility location and design are compatible with surrounding land uses (e.g., by incorporating adequate buffers, siting facilities appropriately to maintain the integrity of surrounding development). *(MPSP)*
- U 5.1.5** **Residential and Commercial Waste Disposal.** The City shall continue to provide curbside trash and recycling collection service to single-family residential dwellings and offer collection service to commercial and multi-family residential development. *(SO)*
- U 5.1.6** **Yard Waste and Street Sweeping.** The City shall continue to provide garden refuse yard waste collection service to single-family residential dwellings and provide street sweeping service to commercial and residential development. *(SO)*
- U 5.1.7** **Neighborhood Clean-Up Program.** The City shall continue sponsoring the Neighborhood Clean-Up Program. *(SO)*
- U 5.1.8** **Diversion of Waste** 🌐. The City shall encourage recycling, composting, and waste separation to reduce the volume and toxicity of solid wastes sent to landfill facilities. *(MPSP/SO)*
- U 5.1.9** **Electronic Waste Recycling.** The City shall continue to coordinate with businesses that recycle electronic waste (e.g., batteries, fluorescent lamps, compact-fluorescent (CFL) bulbs) and the California Product Stewardship Council to provide convenient collection/drop off locations for city residents. *(SO)*
- U 5.1.10** **Composting and Grasscycling Programs** 🌐. The City shall sponsor educational programs on backyard waste composting and grasscycling (i.e., mulching grass clippings back into the lawn). *(PI)*
- U 5.1.11** **City Recycling** 🌐. The City shall serve as a role model to businesses and institutions regarding purchasing decisions that minimize the generation of solid waste in addition to encouraging all City staff to recycle at City facilities. *(SO)*



- U 5.1.12**      **Food Waste Recycling** 🌐. The City shall develop a food waste recycling program. *(PSR/SO)*
  
- U 5.1.13**      **Recycled Materials for Goods Packaging** 🌐. The City shall support State legislation calling for the use of recycled materials and smaller packaging of retail goods and require that retail establishments use recycled materials for goods packaging in lieu of plastic bags. *(IGC)*
  
- U 5.1.14**      **Recycled Materials in New Construction** 🌐. The City shall encourage the use of recycled materials in new construction. *(PI)*
  
- U 5.1.15**      **Recycling and Reuse of Construction Wastes** 🌐. The City shall require recycling and reuse of construction wastes, including recycling materials generated by the demolition and remodeling of buildings, with the objective of diverting 85 percent to a certified recycling processor. *(RDR)*
  
- U 5.1.16**      **Waste for Energy Generation** 🌐. The City shall continue to use waste (e.g., methane emissions from landfills) for energy generation, and shall support efforts to remove organic waste from landfills and produce renewable energy from organic waste using technology such as gasification or anaerobic digestion. *(SO)*
  
- U 5.1.17**      **Local Recycled Materials Market** 🌐. The City shall continue to provide incentives to encourage the development of a local market for recycled materials. *(RDR/SO)*
  
- U 5.1.18**      **Disposable, Toxic, or Non-Renewable Products.** The City shall reduce the use of disposable, toxic, or nonrenewable products in City operations. *(SO)*
  
- U 5.1.19**      **Sacramento Regional Recycling Market Development Zone.** The City shall support the Sacramento Regional Recycling Market Development Zone (SRRMDZ). *(IGC/JP)*
  
- U 5.1.20**      **Multi-family Recycling Ordinance** 🌐. The City shall support the Solid Waste Authority to inform and advise multifamily rental property owners and managers of the recycling requirements contained in the Multi-family Recycling Ordinance (SWA Ordinance 21). *(RDR/PI/JP)*

*Recycling of construction waste in downtown Sacramento.*



*See PHS 3, Hazardous Materials, for additional policies on hazardous waste.*

- U 5.1.21** **Waste Composting and Recycling for Landscapes** 🌍. The City shall sponsor educational programs regarding the use of waste composting and yard waste recycling for landscapes in lieu of fertilizer. *(PI)*
- U 5.1.22** **Composting and Vermiculture** 🌍. The City shall promote home composting and vermiculture to reduce GHG emissions by reducing the amount of organic waste (e.g., cellulose-based waste, paper, food waste) that is sent to landfills. *(PI)*
- U 5.1.23** **Containerized Yard Waste Program** 🌍. The City shall provide, in conjunction with the mandatory Green Waste Container Program, education and outreach to residents on the topic of composting leaves, grass trimmings, tree and shrub prunings, Christmas trees, and sod (with dirt removed). *(SO/PI)*
- U 5.1.24** **Greencycle** 🌍. The City shall support the Solid Waste Authority’s Sacramento Greencycle effort (i.e., regional garden refuse processing plant). *(IGC)*
- U 5.1.25** **Educational Programs** 🌍. The City shall sponsor public educational programs regarding the benefits of solid waste diversion and recycling and encourage residents and businesses to redistribute reusable materials (e.g., at garage sales or materials exchanges). *(PI)*





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# Energy Resources

Policies in this section require reducing peak electric load for City facilities, reducing City fleet fuel consumption, improving energy efficiency of City facilities, and encouraging city residents to consume less energy. Policies also support an increasing reliance on renewable energy to reduce Sacramento’s dependence on nonrenewable energy sources. Businesses that promote energy efficiency and renewable technologies will be recruited. In addition, to further increase the city’s environmental sustainability, policies require that new buildings be designed and sited to maximize energy generation opportunities (e.g., solar) and promote public education about resource conservation.

## GOAL U 6.1

**Adequate Level of Service.** Provide for the energy needs of the city and decrease dependence on nonrenewable energy sources through energy conservation, efficiency, and renewable resource strategies.

*See LU 2, Citywide Land Use and Urban Design, for additional policies on sustainable practices.*

## Policies

**U 6.1.1 Electricity and Natural Gas Services.** The City shall continue to work closely with local utility providers to ensure that adequate electricity and natural gas services are available for existing and newly developing areas. (IGC/JP)

*With growing concerns about climate change, Sacramento is being proactive in reducing the City’s carbon footprint. Policies in U 6, Energy Resources, will reduce energy consumption and increase energy efficiency, in addition to other policies throughout this Plan that help minimize the City’s contribution to global climate change.*

**U 6.1.2 Peak Electric Load of City Facilities** 🌐. The City shall reduce the peak electric load for City facilities by 10 percent by 2015 compared to the baseline year of 2004, through energy efficiency, shifting the timing of energy demands, and conservation measures. (SO)

**U 6.1.3 City Fleet Fuel Consumption** 🌐. The City shall reduce its fleet’s fuel GHG emissions by 75 percent by 2020 compared to the baseline year of 2005, and City operations shall be substantially fossil free (e.g., electricity, motor fuels). (SO)

**U 6.1.4 Energy Efficiency of City Facilities** 🌐. The City shall improve energy efficiency of City facilities to consume 25 percent less energy by 2030 compared to the baseline year of 2005. (SO)

**U 6.1.5**

**Energy Consumption per Capita** 🌐. The City shall encourage residents and businesses to consume 25 percent less energy by 2030 compared to the baseline year of 2005. *(SO)*

*Solar electric panels at Cal Expo, installed in September 2000, produce enough energy to power approximately 180 homes and serve as shaded parking for 1,000 cars.*

*Photograph courtesy of Sacramento Municipal Utility District*



*A parking meter that is powered by solar energy.*

*See ED 1, Business Climate, for additional policies on attracting new businesses.*

**U 6.1.6**

**Renewable Energy** 🌐. The City shall encourage the installation and construction of renewable energy systems and facilities such as wind, solar, hydropower, geothermal, and biomass facilities. *(RDR/PI)*

**U 6.1.7**

**Solar Access** 🌐. The City shall ensure, to the extent feasible, that sites, subdivisions, landscaping, and buildings are configured and designed to maximize passive solar access. *(RDR)*

**U 6.1.8**

**Other Energy Generation Systems** 🌐. The City shall promote the use of locally shared solar, wind, and other energy generation systems as part of new planned developments. *(RDR/PI)*

**U 6.1.9**

**Green Businesses** 🌐. The City shall assist regional organizations in efforts to recruit businesses to Sacramento that research, develop, manufacture, utilize, and promote energy efficiency, conservation, and advanced renewable technologies such as waste-to-energy facilities. *(IGC/JP)*

**U 6.1.10**

**Utility Programs** 🌐. The City shall support SMUD and PG&E programs that promote energy efficiency, energy conservation, renewable energy, and greenhouse gas emissions reductions.. *(IGC/JP/PI)*



- U 6.1.11**      **Energy Efficiency Improvements** 🌐. The City shall develop and implement energy efficiency standards for existing buildings, and provide incentives for property owners to make improvements necessary to meet minimum energy efficiency standards. *(RDR/MPSP)*
- U 6.1.12**      **Energy Efficient Incentives** 🌐. The City shall develop incentives to encourage the use of energy efficient vehicles, equipment, and lighting. *(MPSP)*
- U 6.1.13**      **Co-generation Programs** 🌐. The City shall work with energy providers (e.g., SMUD, PG&E) to encourage the industrial sector to participate in co-generation programs. *(IGC/JP/PI)*
- U 6.1.14**      **Energy Efficiency Partnerships** 🌐. The City shall continue to build partnerships (e.g., Sacramento County Business Environmental Resource Center (BERC) and SMUD) to promote energy efficiency and conservation for the business community and residents. *(IGC/JP)*
- U 6.1.15**      **Energy Efficiency Appliances** 🌐. The City shall encourage builders to supply Energy STAR appliances and HVAC systems in all new residential developments, and shall encourage builders to install high-efficiency boilers where applicable, in all new non-residential developments. *(RDR)*
- U 6.1.16**      **Sustainable Development and Resource Conservation Education** 🌐. The City shall work with appropriate agencies to develop educational materials and activities for residents and developers regarding the objectives and techniques of sustainable development and resource conservation. *(IGC/JP/PI)*









# Telecommunications

Policies in this section provide a wide range of innovative systems and services to attract and retain state-of-the-art businesses citywide, provide access to all residents, and facilitate public education. Telecommunication systems will be incorporated into public buildings and services, as well as into large-scale planned communities and office and commercial projects, to increase the accessibility of information. Telecommunication infrastructure will be designed to be compatible with adjacent uses and to minimize visual impacts.



*Telecommunications tower in the Richards Boulevard area, north of downtown Sacramento.*

## GOAL U 7.1

**Telecommunication Technology.** Provide state-of-the-art telecommunication services for households, businesses, institutions, and public agencies throughout the city that connect Sacramento to the nation and world.

### Policies

#### U 7.1.1

**Access and Availability.** The City shall 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. *(JP)*

- U 7.1.2 Adequate Facilities and Service.** The City shall work with utility companies to retrofit areas that are not served by current telecommunication technologies and shall provide strategic long-range planning of telecommunication facilities for newly developing areas, as feasible. *(JP)*
- U 7.1.3 State-of-the-Art Technology.** The City shall 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. *(IGC/JP)*
- U 7.1.4 Co-Location.** The City shall encourage compatible co-location of telecommunication facilities and shall work with utility companies to provide opportunities for siting telecommunications facilities on City-owned property and public right-of-ways. *(RDR/JP)*
- U 7.1.5 Incorporation into Public Buildings and Uses.** The City shall establish requirements for the incorporation and accessibility of state-of-the-art telecommunication systems and services (e.g., internet) for public use in public buildings (e.g., libraries) and support the development of informational kiosks in public places and streetscapes (e.g., parks, plazas, shopping malls). *(RDR/PI)*
- U 7.1.6 Large Scale Developments.** The City shall 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). *(RDR)*
- U 7.1.7 Household Telecommunication Systems.** The City shall encourage the installation of telecommunications systems (e.g., internet) in every city household to facilitate resident access to information about public services, transit, emergencies, and other information. *(JP/PI)*
- U 7.1.8 City Operations/Public Services.** The City shall continue to use telecommunications to enhance the performance of internal City operations and the delivery of public services. *(SO)*





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