

8.0 INFRASTRUCTURE, PUBLIC UTILITIES, AND FACILITIES

This chapter describes the essential infrastructure and public facilities required to support the development envisioned by the Old Town Specific Plan. As new development proceeds in the Old Town Area, additional demands will be placed on the existing infrastructure.

This chapter is organized into the following sections:

- 8.1 Water Supply
- 8.2 Sewer/Wastewater
- 8.3 Storm Drainage
- 8.4 Solid Waste Collection, Disposal, and Recycling
- 8.5 Energy

This chapter will list each service operating in the Specific Plan Area, provide an assessment of how these services will meet the anticipated demand, and identify those facilities that need to be replaced, upgraded, and/or expanded. The essential public facilities covered in this chapter include:



Essential Service Providers in Specific Plan Area	
Water Supply, Treatment and Distribution	Victorville Water District
Sewer/Wastewater	Victor Valley Wastewater Reclamation Authority
Storm Drainage	City of Victorville Department of Public Works
Solid Waste Collection, Disposal, and Recycling	Collection and recycling: City of Victorville Department of Public Works, Solid Waste Division contract services to Burrtec Waste
	Disposal: City of Victorville Department of Public Works, Solid Waste Division contract services to Burrtec Waste
Energy	Natural gas: Southwest Gas Corporation
	Electricity: Southern California Edison



8.1 Water Supply

Existing Conditions

Water service in the Specific Plan area is provided by the Victorville Water District. The District is a public agency which was formed in 2007 by the consolidation of the Baldy Mesa Water District and the Victor Valley Water District. The water source is the Alto sub-basin of the Mojave River Groundwater Basin, a groundwater aquifer located in the High Desert. To ensure satisfactory water quality, the District chlorinates the water before distributing it into the system and treats the water for arsenic contamination at four plants interspersed throughout the system.

Water is distributed within the Old Town and Midtown areas through water main lines ranging in diameter from 5 to 12 inches. The line's size is determined by the use being served and the fire protection flow rate required for the use. The Specific Plan area's water and fire service is generally sufficient to meet the needs of the existing uses, but some of Old Town's fire hydrants fall below the current pressure and spacing standards.

Victorville Water District is a proponent of using recycled water for a variety of purposes. These uses include agricultural irrigation, landscape irrigation, impoundments for landscape, recreational and/or wildlife uses, wetland and wildlife enhancement, industrial processes, construction activities, and groundwater recharge. To encourage the use of recycled water, the District allows users to purchase recycled water to offset the costs of treating wastewater.

Victorville Water District is actively involved in conserving its existing groundwater supply and ensuring that the proper accommodations are made to support the City's long-term growth objectives. The District's approaches include water conservation, water reuse, installation of additional wells and pumping stations, and importing water from the State Water Project via the California Aqueduct. The District's Water Conservation Department provides a number of services to help reduce water consumption. Services include water audits, residential plumbing retrofits, using a rate structure that encourages conservation, community outreach programs and events, developer incentives, retaining water conservation specialists, a wastewater prohibition ordinance, a cash-for-grass program, encouraging water-smart landscaping, and offering a low-water-use appliance rebate.

Buildout Conditions

Commercial developments proposed for sites that are currently occupied by residential uses or that are underutilized will require fire mitigation measures such as interior fire sprinklers and/or the replacement of the existing water mains with pipes measuring at least 8 inches in diameter. In addition, all development subject

to review by the City will be reviewed by the Victorville Water District. When an upgrade to the Specific Plan area's water system is required to accommodate such development, the developer may be responsible for a portion or all of the costs.

8.2 Sewer/Wastewater

Existing Conditions

Sewer service in the Specific Plan area is provided by the Victor Valley Wastewater Reclamation Authority, a regional wastewater treatment agency operated jointly by the City of Victorville and three other members. Services provided by the agency include the operation, maintenance, repair, and cleaning of sewer collection lines to ensure that they do not exceed their designed capacity and to prevent stoppages and backups.

The Specific Plan area's sewer system was originally developed approximately 65 years ago. Portions of main sewer lines extending through the Old Town area, especially those along C and D streets, are now deficient. This condition is attributed to increased development in other areas of the city overloading the system. However, in December of 2015, after 18 months of work VVWRA completed the installation of 4,000 feet of a new sewer pipeline along 'C' and 'D' Street in Old Town as part of the Upper Narrows Pipeline Project. The secondary lines that only serve the Specific Plan area are able to accommodate the existing uses.

Buildout Conditions

Deficiencies in the sewer lines along C and D streets can be eliminated by constructing an 18-inch-diameter relief sewer line. This line would increase the system's carrying capacity and intercept additional lateral lines, reducing the burden placed on the existing lines.

New developments that require sewer service are subject to review by City engineering staff. If a development will require improvements to the sewer system, the improvements may be imposed upon the developer.

8.3 Storm Drainage

Existing Conditions

The Specific Plan area's storm drainage system is maintained by the City's Department of Public Works. The system was originally installed more than 40 years ago. It includes a major channel to accommodate the Oro Grande Wash and a box culvert to carry flows collected from the Old Town streets. This system is sufficient to serve the Specific Plan area's existing uses.

Buildout Conditions

No improvements to the storm drainage system are proposed within the Old Town area; however, the City plans to construct a new detention basin south of the Specific Plan area. The City has made improvements to the Oro Grande Wash's flow rate, increasing it to a level that cannot be sufficiently captured and carried by Old Town's existing box culvert. To comply with the San Bernardino County Flood Control District facilities plan, the detention basin must be in place by the time the flow rate approaches capacity. In addition, the City's Engineering Department may review proposed projects to determine if stormwater facilities need to be upgraded to accommodate the development.

8.4 Solid Waste Collection, Disposal, and Recycling

Existing Conditions

Burrtec Waste provides solid waste collection, disposal, and recycling services for the Specific Plan area. The company provides curbside pick-up service with a 95-gallon container for refuse and a 60-gallon container for recyclables. The company also accepts household hazardous waste items at a collection center. In July 2018, the company began offering green waste collection services in Victorville for commercial and multi-family developments (4 or more units) to comply with AB1826.

Nonhazardous solid and liquid waste generated in the Old Town and Midtown areas is deposited in the Victorville Landfill, a facility operated by the County of San Bernardino Public Works Department, Solid Waste Management Division. Recently the landfill was expanded and it has the capacity to support Old Town's growth.

Recyclables are taken to the Victor Valley Materials Recovery Facility (MRF). Co-owned by the City of Victorville and the Town of Apple Valley and operating since 1995, MRF helps the City meet the Assembly Bill (AB) 939 requirement that waste sent to a landfill be reduced by 50 percent beginning in the year 2000. The facility also accepts materials from adjoining communities and provides drop-off and recycling buy-back services for residents and businesses.

Buildout Conditions

If new development proposed within the Specific Plan area causes an increased demand on the solid waste collection system, the developer will have to coordinate with the City and service providers to meet the increased demand. However, as mentioned the current landfill has the capacity to support buildout conditions.

8.5 Energy

8.5.1 Natural Gas

Existing Conditions

The Southwest Gas Corporation provides natural gas service in the Specific Plan area. Service is supplied by two 4-inch high-pressure lines originating at taps near the intersection of Gasline and Air Base roads. The primary line feeds into a regulator station at the intersection of 6th and E streets, and the secondary line feeds into a regulator station at the intersection of Mojave and Amargosa and enters the Old Town and Midtown areas along 7th Street. Two companies distribute gas in the Specific Plan area. A majority of the gas is purchased from the Southern California Gas Company, the less expensive seller. Pacific Gas and Electric gas is also sold in the Specific Plan area, especially during peak periods.

Old Town's natural gas pipeline network was originally installed in 1931. Given the system's age, the network is constructed from metal pipes. Because metal pipes are prone to rust, the system is checked for integrity and the lines are tested for leaks on an annual basis. The Public Utilities Commission completes all repairs and replacements.

Buildout Conditions

The natural gas distribution systems and supply are generally sufficient to serve the kinds of future development envisioned in the Old Town and Midtown areas; however, certain uses may require upgraded distribution lines. New development and the expansion of existing structures are subject to comment from the Southwest Gas Corporation.

8.5.2 Electricity

Existing Conditions

The Southern California Edison Company provides electrical service to the Specific Plan area. Service originates from the Victorville Substation, which is located on the southeast corner of C Street and 6th Street. The Old Town and Midtown areas distribution grid is served by three 33 kilovolt circuits and four 4-16/2.4 kilovolt circuits.

Buildout Conditions

The existing electricity distribution grid will sufficiently serve new development that occurs in the Specific Plan area. However, all new developments and the expansion of existing developments that are subject to review by the City of Victorville are also subject to review by Southern California Edison. If a development requires new facilities and/or additions or modification to the distribution grid system, this

requirement will be noted during the project review process. In these instances, developers may be responsible for a portion or all of the required improvements.