

Infrastructure Analysis

Electric

San Marcos residents receive their electric power from the Public Utility Service Company of New Mexico (PNM) and from private residential solar.

The cost to extend a power line out to a private property depends on the distance. One resident by the Allan Houser foundry gave the example of splitting a line extension with his neighbor, which cost around \$12,000.



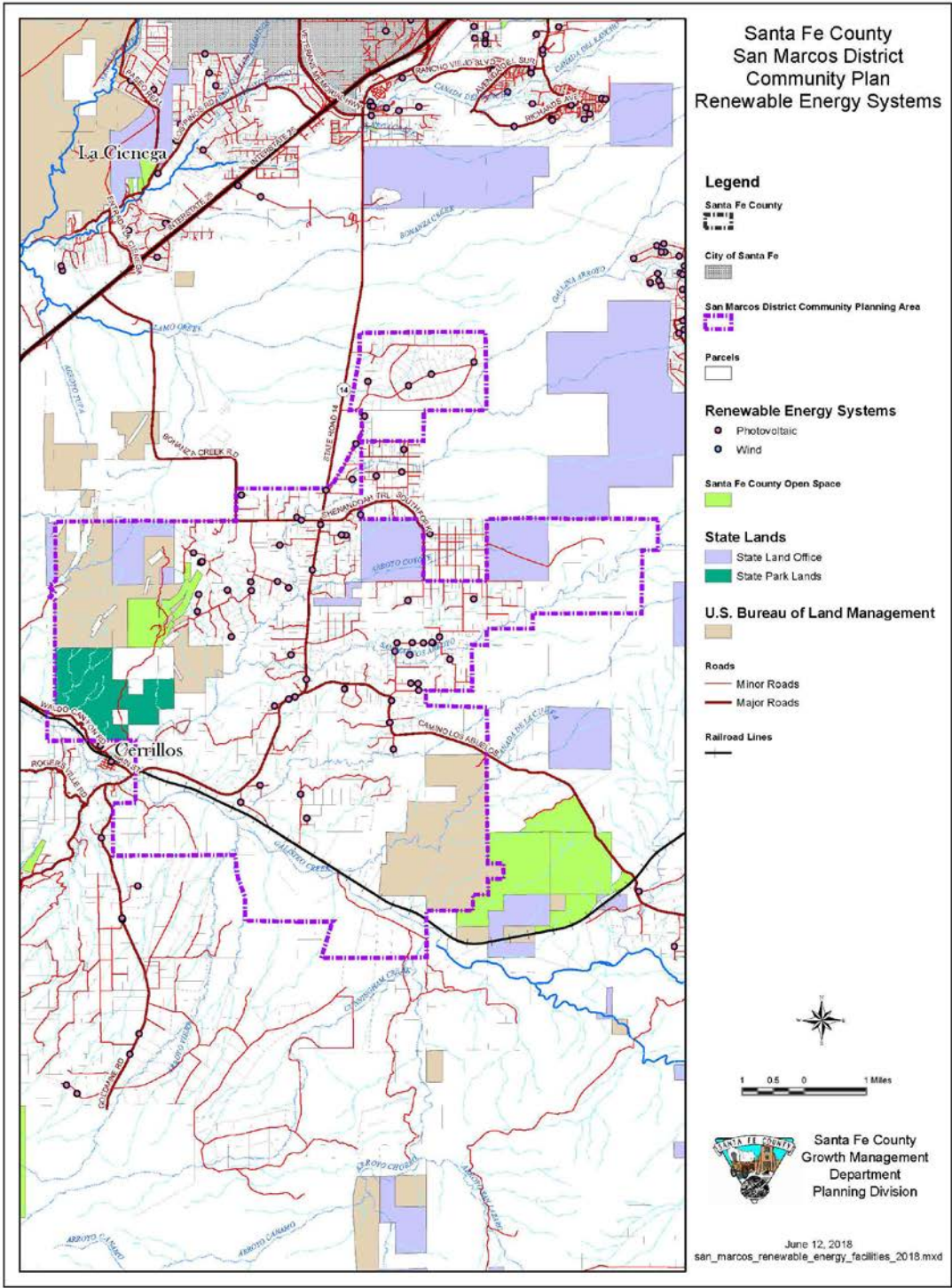
PNM Service Area: Detail of Santa Fe-Albuquerque Region

Solar

Across the PNM service area in New Mexico, about 2.6 percent of residences interconnect solar with the public utility. According to PNM's Retail Renewables Department², within the San Marcos District, there were over 50 solar units in 2016.

¹ <https://www.pnm.com/service-area-sfe-abq>

² Information from Santa Fe County Sustainability Division's discussion with SUNPOWER in 2017



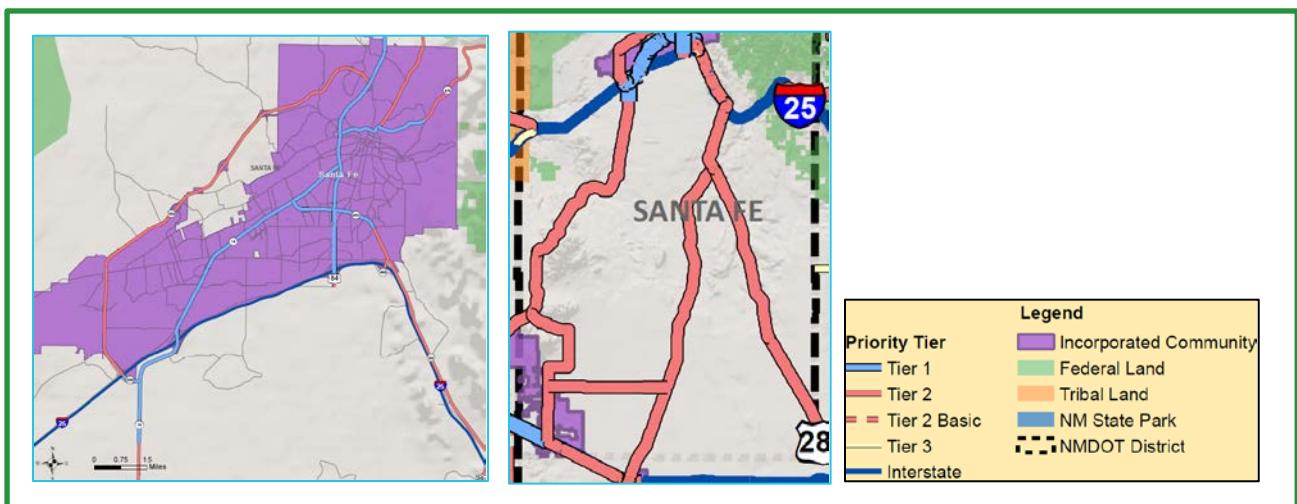
Transportation

Residents and guests to the San Marcos area enter from the North and the South via State Highway 14, ‘the Turquoise Trail.’ The Turquoise Trail is designated by the USDOT as one of America’s Scenic Byways. As such, the Turquoise Trail receives a lot of tourism by car, motorcycle and bicycle year-round. People in the community have voiced a concern for improved bicycle facilities along HWY 14, like paved bike lanes. NMDOT owns and maintains HWY 14. In their current ‘Prioritized Statewide Bicycle Network Plan,’ NMDOT has identified the northern segment of HWY 14 as a Tier 1 Priority Bikeway and the remainder as a tier 2 Medium Priority Bikeway. Bike facility improvements to HWY 14 should occur in the near future.

According to the Statewide Bicycle Network Plan:

“Tier I routes are high priority bikeways that provide critical intra-urban and statewide connections between New Mexico’s communities and for cross-state travel. Tier 1 routes exhibit high existing or latent demand for bicycling, and are highly appropriate for implementation of bikeway facilities. These facilities may appeal to recreational and utilitarian cyclists and demonstrate high tourism potential and recreational demand. Tier 1 routes are typically high-volume and/or high-speed roadways where additional separation between cyclists and motorists is desired.

Tier 2 routes are medium priority bikeways that exhibit existing or latent demand for bicycling and are appropriate for the implementation of bikeway facilities. Tier 2 routes typically provide long-distance or statewide connections and may appeal to recreational and/or more comfortable utilitarian cyclists. Alternative routes to Interstates are typically designated as Tier 2 facilities.”



from NM Bike Plan 2018

Santa Fe County owns and maintains County Roads (CR) 42 ‘Camino Los Abuelos,’ CR44 ‘Shenandoah Trail’ and CR45 ‘Bonanza Creek Road,’ from which people can access the area coming East and West. Santa Fe County also owns and maintains CR44A San Marcos Rd. E., 44B Pueblo Rd., 44C Calvin Rd., and CR44D Mesa Rd.

Many private roads also lead to the residential areas of San Marcos District. These roads are privately owned and maintained.

In 2015 and 2016, Santa Fe County conducted traffic counts. The counts per day were:

Bonanza Creek Road: 2,033 near NM 14; 685 before the I-25 entrance.

Camino Los Abuelos near NM 14: 1,169; 380 near the Amtrak/Burlington Northern Rail track.

Shenandoah Trail near NM 14: 3,510; at the Northfork/Southfork juncture 1,699; continuing on Southfork to the West Pine juncture, 905.

The higher counts near NM 14 for these three roads and much lower counts at their respective termini indicate that most of the traffic is to access development on or near the roads and not through traffic to other destinations.

In the 2015 Community Plan update, residents noted that open space and trails are important for the San Marcos area. There are two planned recreation trails in the San Marcos planning area that connect to on-road bike lanes, other trails in the County and State Park and County open space areas:

- The Galisteo Basin trail crosses the southern area of San Marcos linking the Cerrillos State Park/NM 14, the County Thornton Ranch Open Space, and the Village of Galisteo/NM 41. It also intersects the north-south NM Central/Kennedy line trail on the east side of the Thornton Open Space area.
- The north-south NM Central/Kennedy line trail connects the Community College District area extending to the southern County line. It also connects to the Arroyo Hondo which extends west to NM 14, and the Spur Trail which connects to the Santa Fe Rail trail.

Public transit service in the San Marcos Area is provided by the North Central Regional Transit District (NCRTD), which operates three weekday routes: Route 270 Turquoise Trail, Route 280 Eldorado, and Route 290 Edgewood. Santa Fe County is a voting member on the NCRTD Board. Providing additional transit service to the San Marcos area will be studied by NCRTD in their upcoming, 5-Year Service Plan. Additional Information about NCRTD and their transit service can be found at: <http://www.ncrtd.org>.

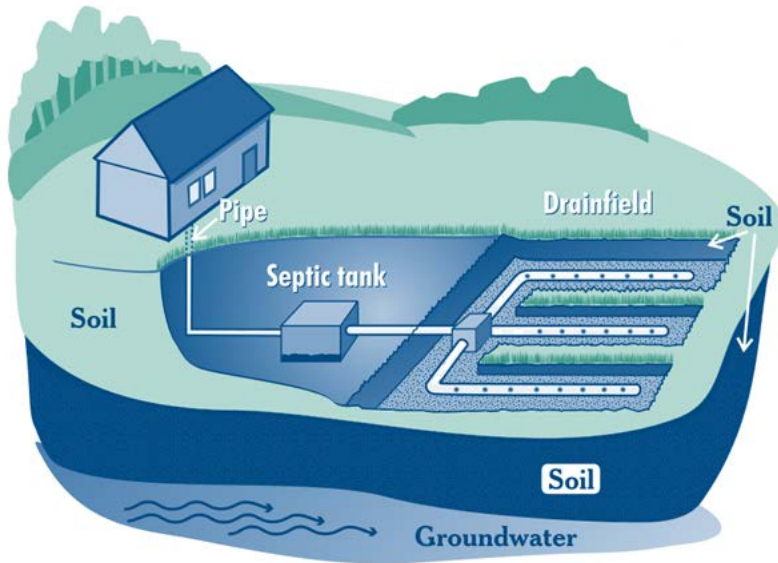
Water Distribution

County water lines end at the Turquoise Trail Elementary School. All of the San Marcos residents depend on wells or hauling water for their home water use.

See Community Services Analysis for water hauling information from the Ojo de Agua Self Service Water Dispensing Facility.

Septic

Santa Fe County does not operate any wastewater treatment in the San Marcos area, therefore all residents rely on private septic systems. New Mexico Environment Department³ regulates septic tanks, though Santa Fe County's Sustainable Land Development Code regulates how many septic tanks may be on a property (an accessory dwelling must share a septic tank with the principal residence SLDC 10.4.2.4).



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³ https://www.env.nm.gov/liquid_waste/laws-and-regulations/

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