TEMPLETON COMMUNITY SERVICES DISTRICT
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Water Supply Sources Overview

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The District relies on a combination of several different water sources to provide a sustainable water supply to its customers. Water sources include deep aquifer groundwater, shallow underflow water, and water supply augmentation though treated wastewater retrieval and importation of Nacimiento raw water. The water enters the water system through 12 wells, all located within the Templeton Subunit of the Atascadero Basin.

The portion of the Atascadero Basin underlying District wells, informally named the Templeton Subunit, contains two primary water-bearing geologic units: the Paso Robles Formation, and the Salinas River alluvial gravels. The deep, percolating groundwater wells located within the Paso Robles Formation are generally referred to as 'deep' wells, and wells extracting the underflow from the Salinas River alluvial gravels are referred to as the 'river' wells.

The water supply sources are further described below:

Percolating Ground Water -Deep Wells

The District extracts percolating groundwater from 9 active deep wells located throughout the District. In 2013, FUGRO completed a study of the District's deep aquifer supply capability and concluded that a perennial yield of 1040 acre-feet per year (AFY) may be may be used as an operational guide for the 9 deep wells. This water is available year round, however these wells are used primarily to meet summer demands.

Salinas Underflow -River Wells

The District has three river wells that divert water from the Salinas River underflow. The District relies primarily on two river wells, the Smith River well, and the Creekside River Well. The third river well is currently a standby emergency well only.

The District has several water rights for diversions of water from the Salinas River underflow that includes two State Water Resources Control Board water permits and one water license. These water rights yield up to 602 AFY. The District also has several riparian rights agreements by which it provides water to customers through its system and pumps the same amount of water from

the underflow. Over the last 5 years, the riparian water demand to serve these parcels averaged approximately 90 AFY. All together, the underflow water supply totals approximately 692 AFY.

Treated Wastewater Retrieval (also may be called Underflow Augmentation)

The District discharges treated wastewater into discharge ponds (Selby ponds) located adjacent to the Salinas River where it is percolated into the underflow of the Salinas River. The water may be retrieved, less 2%, 28 months later at the Smith River Well, or 35 months later at the Creekside River Well. In 2019 the District completed a major wastewater infrastructure project call the East Side Force Main and Lift Stations (ESFM) which increased the total wastewater flows to the Meadowbrook Wastewater Treatment Plant (MWWTP) from approximately 150,000 gallons per day (gpd) to an average of 355,000 gpd. Once these flows are available for discharge into the Selby ponds, a total of 400 AFY of water will be available from this source annually. Due to the locations of the two wells, all of the water discharged at the Selby ponds can be retrieved during the summer pumping season from April through October.

Nacimiento Water

The District began receiving 250 AFY of raw Nacimiento water deliveries on June 23, 2011. An additional 156 AFY was acquired in 2016, increasing the total allocation to 406 AFY annually. Until March of 2019, the raw water was percolated into the underflow at the Selby ponds for subsequent retrieval downstream at the Smith Well and Creekside Wells during the peak summer season. Nacimiento discharges were halted during a recent Nacimiento water line break and resumed again in 2021 with reduced deliveries due to the increased wastewater discharges to the Selby ponds. The District is in the planning stages of relocating the Nacimiento water to another site and it is anticipated that this project could be on line as early as 2027. Once the Nacimiento water becomes available the District will net approximately 400 AF annually, providing additional source capacity for the District.

Current Supply

The District's 2021 available water supply from all sources, including riparian water, is approximately 2156 AFY. Actual water use peaks in June through September when outdoor use is greatest and it can be two to three times winter water use. At this time, the District is capable of meeting the seasonal average daily water demands of the District.

As additional wastewater is percolated and subsequently available for retrieval, the amount of water supply will increase. The next largest water supply increase will be realized once a new Nacimiento water delivery location and infrastructure is planned and constructed.