

APPENDIX A

Projects

Estimated Cost

SAN FERNANDO BASIN Groundwater Replenishment Project

\$2,000,000

Burbank Water and Power (BWP) proposes to construct a 48-inch pipeline Replenishment Water Service Connection at the east portal of the MWD San Fernando tunnel. Water will flow by gravity from the MWD connection through the pipeline and into the Pacoima Wash Channel. The water will be diverted downstream into the Pacoima Spreading Grounds and percolates into the San Fernando Basin. The water will be extracted from the San Fernando Basin by the existing wells that supply groundwater to the Burbank Operable Unit (BOU) in Burbank. The Los Angeles County Department of Public Works currently operates and maintains the channel and spreading grounds and will divert the water from the Pacoima Wash into the spreading grounds, utilizing existing infrastructure. The Untreated Replenishment Service water purchased from the MWD will be spread primarily during the Winter and Spring months when that service is available.

The Water Division anticipates an 8,000 AF/Y credit from the spreading grounds and a 5,000 AF/Y credit from import return, creating a 13,000 AF/Y pumping allowance at maximum annual BOU production. The proposed 8,000 AF represents 35% of Burbank's yearly domestic water consumption. The 13,000 AF/Y produced at the BOU represents 56% of the system demand. The remaining 44% of system demand is provided by MWD as treated water service. The MWD Replenishment Service Water is the most economic resource available for creating ground water credits. It is the City's obligation to provide replenishment water for the operation of the BOU in response to the City's requirement in the EPA Second Consent Decree. This project also enables BWP to reduce the amount of purchased imported water by an estimated 16% (60% now).

Burbank Water Reclamation Plant Equalization Basin

\$10,000,000

The City of Burbank has an existing recycled water system supplied by the Burbank Water Reclamation Plant (BWRP), delivering as much as 2.5 million gallons per day (mgd) to customers within the City limits. This facility is subject to a diurnal cycle, where nighttime flow rates are over 50% lower than daytime flows. The installation of the Equalization Basin Project to the BWRP will eliminate the existing diurnal pattern of influent flow by storing the daytime peak flows to be treated at night. Therefore, the daytime flow rates of 12 to 15 mgd and nighttime lows of 2 to 5 mgd can be redistributed and allow the existing process units to operate more reliably and efficiently and provide a constant recycled water supply of 9 to 12 mgd.

The proposed Equalization Basin Project will include the construction of an underground concrete tank which can hold 1.4 million gallons. In addition, a secondary clarifier will be added to eliminate the most limiting stage in the creation of additional recycled water. The project includes all of the associated piping and pumps to allow for the operation of the equalization basin.

Robert Ovrum Park

\$500,000

The proposed recycled water pipeline extension will distribute gray water to the Ovrum Park, Miller Park, and landscaping along the South San Fernando Road.

The new recycled water pipeline extension will be approximately 5,700 feet long, and 6 inches in diameter. This area has already been plumbed to accept recycled water; therefore, the extension can be completed and operating quickly.

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Studio District

\$5,100,000

The "Studio District" is comprised of a series of studio facilities: The Warner Brothers Studios, Disney Studios, NBC Studios, and Foto Kem, which is involved in the film processing from the studios and from individuals.

The Warner Brothers Studios Main Lot (Main Lot) is approximately 108 acres consisting of areas ranging from very little landscaping to the "Jungle Area", which is heavily landscaped to be used by the Studio when a semi-tropical or tropical setting is desired. The Warner Brothers Studio Ranch Lot (Studio Ranch Lot) is 31 acres, with about 2 acres of landscaping that is being irrigated with potable water. The combined amount of water used for both the Main Lot and the Studio Ranch Lot irrigation is 33 AFY.

The Disney Studios is approximately 49 acres, with water use of 15 AFY for irrigation. NBC Studios is 37 acres, with an estimated use of 15 AFY for irrigation.

Foto Kem, located at 2800 Olive Street has very little landscaping, however they do use 20 AFY of water for film processing. Foto Kem is receptive to using recycled water for their film processing, as long as there will be no water quality concerns.

The above studios will be the largest users of the recycled water in this area (Studio District); however, additional customers will also benefit from the new recycled water pipeline. These customers include St. Joseph Hospital, four schools, four parks and a library.

The proposed project will consist of a pipeline that will begin with a 15,200 feet of a twelve inch main line and 4,000 feet of 6 inch extensions to the customers. No public booster pump station will be required. The proposed alignment for the pipeline was developed to avoid having to place pipelines along Olive Avenue, which is a very heavily traveled road.

Valhalla System Extension

\$6,700,000

The recycled water distribution system currently has limited water pressure as the system proceeds westerly from the treatment plant to its termination at the Bob Hope Airport and does not extend far enough to provide recycled water to the Valhalla Memorial Park and some other smaller users. There are approximately 20 customers that are currently connected to this pipeline with a consumption of 120 AFY. An additional 10 customers/sites (including the Valhalla Memorial Park) are potential customers to be served with recycled water through a new twelve inch pipeline in Monterey Avenue and could be connected to the existing pipeline on Empire Avenue if the proposed project is completed. It is estimated that these new customers would use an additional 455 AFY.

The proposed project will connect a new 2,000 foot pipeline to extend the service line to a new booster pumping station that will be installed at a nearby park (Ralph Foy Park is the most likely location) to provide adequate pressures to Valhalla Memorial Park and other prospective nearby customers, and all the necessary supportive components required to operate the system.

Wildwood Canyon Extension

\$500,000

The proposed recycled water pipeline extension will distribute gray water to the Wildwood Canyon Park, a California State Park. This pipeline extension will be approximately 4,000 feet long, and 6 inches in diameter. This new pipeline will connect to the existing 12-inch

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diameter pipeline in the DeBell Golf Course. This project may also require the installation of a booster pump to irrigate the upper portion of the park.