



Executive Summary

Lagoon Upgrade Project:

\$220,000 Lagoon Rehabilitation Project to Ensure High Quality Effluent for Future Decades

Board to Consider Adopting

CPI Service Rate Increase:

Revenue Constraints and Increasing Costs Underscore Consideration of a Consumer Price Index (CPI) Rate Increase

Collection System Maintenance

Program Expands:

Board Commits More Resources To Maintain Collection System and Avert Potential Overflows

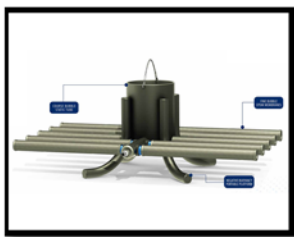
Fats, Oil and Grease "FOG":

Disposal Alternatives

Incumbents to Be Sworn In For

Another 4-Year Term:

Thordarson and Brown to Continue To Lend Industry Expertise to the District



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DISTRICT COMPLETES AMBITIOUS WASTEWATER LAGOON UPGRADE PROJECT

Since construction in 1972, Bear Weber, Ghio and Associates (WGA) per day or nearly twice the 20 year daily Valley's wastewater treatment of San Andreas, was let to bid in average flow of 67,000 gallons per day. This facility has consistently produced March 2019. Only one bid was conservative treatment capacity design, exceptional water quality, received and the Board ultimately including the installation of future diffuser consistently yielding effluent awarded the project to K.W. Emerson, Inc. at its May 2019 as double before requiring further added and more recently surface waters. regularly scheduled meeting. infrastructure and seeks to ensure the

However, over the past several years, the 14.18 million gallon (MG) improvement project included for many years to come. The scope of the nearly \$220,000 of treating Bear Valley's wastewater needs

treatment lagoon, where the removal of (36) original submerged diffusers, (20) of which had become K.W. Emerson initiated the project on August 19 and completed virtually every aspect of its biological treatment, has begun inoperable, installation of a new 160 linear foot CPVC buried air header, the project specs 10 working days later.

Declining effluent installation of (12) new fine-bubble diffusers supplied by Triplepoint District staff invested several years of increasing energy costs to maintain Environmental and rebuilding of the analysis into over (15) various diffuser adequate treatment levels led the District's cedar baffle wall to restore system technologies and ultimately chose the District's Board of Directors to the system to its original two-cell, Triplepoint "MARS" diffuser system based approve a preliminary lagoon extended detention time design and several advantages this system provided. design upgrade at its February eliminate the potential for "short circuiting."

Perhaps the single largest capital rehabilitation project since the history combined with 20 years of around in the treatment lagoon to ultimately origination of the Agency, the influent water quality led the District oxidize over 40 years of sludge impounded in treatment lagoon upgrade project, and WGA to the install a system the earthen structure and restore the system overseen by engineering firm capable of treating 120,000 gallons back to a standard of high performance.

DISTRICT BOARD TO CONSIDER ADOPTING CPI RATE INCREASE AT OCTOBER MEETING

The Bear Valley Water District as in critical new programs such as efficient and reliable wastewater service to the considers careful fiscal planning collections system maintenance or District's stakeholders have continued to rise. essential to the long term, fully developing and implementing Nearly all areas of the District's budget have sustainable delivery of its core its surface water discharge permit. experienced year over year increases

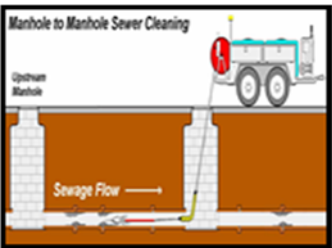
services, specifically the collection, treatment and disposal of However, despite its dedication to regulatory fees, dam fees, legal and wastewater for all of its customers financial preparedness, at times accounting costs and salaries and benefits.

as well as the careful stewardship of some circumstances can still be out At its July 2019 meeting, staff presented the the public's physical and financial of an agency's control. Indeed, the Board with a final 2019-20 fiscal year budget assets. heavy snow of this past winter together with a three-year budget forecast.

Over the past decade, the District commercial buildings in the Through a combination of increasing has developed policies and community which are now expenses and unexpected decreasing reinvested carefully to meet these anticipated to constrain commercial revenue, the Board discussed and ultimately objectives, including the revenue for the District until directed staff to consider the impact of development of reserve fund resolved. At the same time, the utilizing the consumer price index (CPI) tool policies for capital improvement and USFS notified the District that it will contained in the District's 2014 Prop 218 replacement projects as well as for be removing all flush toilets from service rate restructuring ordinance to bridge emergencies and future system the east end of Lake Alpine further this loss in revenue.

capacity. At the same time, the reducing commercial revenues. At its July 2019 meeting, staff presented the Board with a final 2019-20 fiscal year budget assets while providing safe, The Board of Director's will hold a public hearing to consider adopting an Ordinance

the operations of the District, such operate and maintain the public's authorizing a CPI rate increase at its October 21, 2019 meeting and apply the CPI-U to monthly service fees effective January 1, 2020



KEN BROWN



GUNNAR THORDARSON



DISTRICT FURTHER EXPANDS COLLECTION SYSTEM MAINTENANCE PROGRAM

In addition to its two discharge as soon as the snow melted in late or nearly 92,000 linear feet of collection permits, the District is also June and the field team has been pipeline as well as 160 manholes and 4 full responsible for the proper operation busy every week cleaning collection stations. The pipeline ranges in size from 4 and maintenance of its collection system pipe segments using high – 12 inches. As identified in the District’s system under both Order No. 2006- pressure water at up to 600’ at a Sewer System Management Plan (SSMP), 0003-DWQ and Order No. WQO time. the District strives to clean and inspect 15,000 – 17,000 linear feet per year or the 2013-0058-EXEC. Over the past full system over a 5-year cycle.

several years, the District has Cleaning is then immediately followed with CCTV camera analysis to meet the full intent of these orders of each pipe segment to evaluate Findings during this summer’s enhanced and this summer was no exception. and collect data on the condition of sewer collection maintenance program each segment. The data is then have revealed the importance of such

Following its investment in high migrated to the District’s GIS- routine maintenance and inspection. performance sewer jetting and powered asset management system Among these included the finding of camera equipment, this summer the (AMS) to digitally score and catalog severe grease deposits, root intrusion, Board authorized the first ever the data to prioritize work orders and the discovery of an unknown manhole commitment to a dedicated collection for future management of the system. which had been paved over, several pipe offsets and extensive dirt and gravel

This ambitious program was rolled The District’s collection system includes approximately 17.38 miles, sewer system overflow if not corrected.

“FOG” - FATS, OILS AND GREASE – DISPOSAL ALTERNATIVES

With the holiday season fast To prevent these problems, we the bag shut and dispose of it in a trash approaching, the District would encourage you to dispose of these receptacle.

like to take this opportunity to cooking bi-products safely.

remind you of how best to dispose of fats, cooking oils and grease Here are some alternative disposal (FOG) when preparing holiday suggestions that will reduce your impact on Bear Valley’s wastewater meals. infrastructure.

To prevent these problems, we the bag shut and dispose of it in a trash receptacle.

cooking bi-products safely.

Here are some alternative disposal suggestions that will reduce your impact on Bear Valley’s wastewater infrastructure.

- Mix cooking oils with an absorbent material such as coffee grounds, place in a lidded container and dispose in a trash receptacle.

- If you’re soaking a greasy pan, first pour off grease into a container. Then place paper towels over the drain basket to catch grease and food as you pour the soaking water down the drain.

As a reminder, fats, cooking oils, and grease (FOG) can coat and clog pipes and cause sewer lines to back-up into homes. “FOG” can also cause blockages further down sewer lines creating system overflows as well as disrupt waste water treatment processes with detrimental results.

Instead of pouring fats, oil, grease or placing greasy foods down the garbage disposal or drain, try the following:

- Place fats, oil, and grease in a container with a tight-sealing lid, put the container in a trash bag, tie

These environmentally friendly kitchen practices are simple alternatives to disposing of these harmful bi-products and better for wastewater disposal operations.

BVWD BOARD OF DIRECTORS WELCOME INCUMBENTS FOR ANOTHER TERM

The 2019 District election resulted in no contest for incumbent candidates Gunnar Thordarson and Ken Brown. No additional declarations of candidacy were received by Alpine County Clerk before the August 9, 2019 deadline.

The term of office for these in the private sector with a focus on water Directors will expire December 5, treatment technology and lends his unique 2023. industry perspective and experience to the District’s management team. Gunnar was

With a bachelor’s degree in educated at the University of California, Business and Real Estate Finance Davis with a focus in Economics. After starting several other successful businesses, in 2003 Gunnar then co-founded Process Solutions Inc. (PSI), providing disinfection solutions and the Estate Broker’s License, Ken’s Microclor® next generation On-site Sodium Hypochlorite Generation Technology.

As a result, no formal election will be required, saving ratepayers thousands of dollars in ballot preparation and distribution expenses. Directors Thordarson and Brown will be sworn in for their new 4 year terms this December.

The District welcomes any qualifying community member to consider a seat on the Board in the years to come as vacancies will certainly arise as Directors serve out their terms.

Gunnar has a strong background