



Project Cost

\$3,977,240

Annual Project Savings

\$204,110 Guaranteed

Financing Method

Municipal Lease



Utility Conservation Measures

Conversion of current surface aeration turbine pumps at waste water treatment plant to subsurface fine bubble diffusers of the Biolac® System.

City of Riverbank

Riverbank, CA

Comprehensive Utility Conservation Project

The City of Riverbank has a population of 23,000 and operates a WWTP consisting of a headworks (mechanical bar screen, screenings compactor, Parshall Flume), 4 mechanically-aerated lagoons (T-1 through T4) and 7 percolation ponds (P2 through P8).

The City of Riverbank selected Schneider Electric to develop a comprehensive solution to their wastewater plant with the intent to lower utility costs and to increase control of dissolved oxygen within the primary process.

The Biolac® solution takes advantage of the existing, lined, ponds T1 & T2. The scope of work includes providing submerged aeration chain system, new aeration blowers, VFD's, harmonic filter, silencers, filters, check valves, pressure relief valves, pressure gauges and a control panel.

An upgrade pathway, should flows increase in the future is clearly available as the Biolac® system can be incrementally upgraded with activated sludge, clarification and disinfection to create Title 22 quality water, should the State Water Quality Board require it in the future.