

**Humboldt Bay Municipal Water District**

To: Board of Directors  
From: John Friedenbach  
Date: September 22, 2022

Re: Procurement Contract – Microclor On-Site Hypochlorite Generation System

**Discussion**

As discussed at the September 8<sup>th</sup> Board meeting, an RFP was circulated to procure the necessary equipment for an on-site hypochlorite generation system to be installed at Essex. This new system will replace our current chlorine gas system. Although the current system is highly effective and has been operated and maintained safely by District staff for decades, the decision was made to replace it with an on-site hypochlorite generation system. Staff has experienced supply chain delays with obtaining chlorine gas. In addition, the new system will dramatically reduce the risks to employees and neighbors from the current gas system.

The District received one response to the RFP. The respondent, PSI Water Technologies, proposal was reviewed and determined to be responsive and responsible. A 5 member review and scoring panel reviewed PSI's proposal in accordance with the scoring criteria in the RFP. Out of a 100 point maximum, the scores ranged from a low of 88 to a high of 98, with an average of 93.4. The review team members were: Superintendent Dale Davidsen; Operations Supervisor Mario Palmero; Maintenance Supervisor Ryan Chairez; Michael Hansen-City of Eureka; and Glenn Bernald-City of Blue Lake.

**Staff Request**

Staff requests that the Board authorize a contract, not to exceed \$704,998.00, with PSI Water Technologies for procuring an on-site hypochlorite generation system.

**Next Steps**

The timeline for delivery of the system is anticipated to be eight months from contract award. A contractor will be procured separately from this equipment procurement contract to remove the existing chlorine system, modify the existing chlorine building to accommodate the new generation system, construct a new concrete slab for new product storage, integrate the new equipment with the District's existing SCADA system, and perform other related tasks necessary to result in a fully functional generation system. These services will be competitively bid during the winter or early spring. Funding for the project includes advance charges and current year project budget in the amount of \$1,200,000.