



BOARD OF SUPERVISORS  
AGENDA LETTER

Agenda Number:

Clerk of the Board of Supervisors  
105 E. Anapamu Street, Suite 407  
Santa Barbara, CA 93101  
(805) 568-2240

**Department Name:** Public Works  
**Department No.:** 054  
**For Agenda of:** 8/27/2019  
**Placement:** Administrative  
**Estimated Tme:**  
**Continued Item:** No  
**If Yes, date from:**  
**Vote Required:** 4/5

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**TO:** Board of Directors, Laguna County Sanitation District

**FROM:** Department Director(s) Scott D. McGolpin, P.E., Director, (805) 568-3010

Contact Info: Leslie Wells, Deputy Director, (805) 882-3605

**SUBJECT:** Request for Waiver of Competition in Purchase of Replacement Ultraviolet Disinfection System at the Laguna County Sanitation District Wastewater Reclamation Plant – Third Supervisorial District

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**County Counsel Concurrence**

As to form: No

**Auditor-Controller Concurrence**

As to form: No

**Other Concurrence:** Purchasing Agent

As to form: Yes

**Recommended Actions:**

That the Board of Directors:

- a) Authorize the Purchasing Agent to procure an ultraviolet disinfection system in an amount not to exceed \$540,000 from Aquionics, Inc., not a local vendor, without being required to conduct a formal bid process through June 30, 2020;
- b) Approve the attached Budget Revision Request (BJE No. 0006547) to appropriate \$540,000 towards the replacement of the existing ultraviolet disinfection system funded by District capital reserves (Attachment A); and
- c) Find that pursuant to California Environmental Quality Act Guidelines Section 15162, no substantial changes are proposed, and no new information of substantial importance has come to light regarding environmental effects of the replacement ultraviolet disinfection system at the Laguna County Sanitation District Wastewater Reclamation Plant, or of the sufficiency or feasibility of mitigation measures. Therefore, the equipment replacement is within the scope of the project covered by the

Mitigated Negative Declaration (April 2000) prepared for the Laguna County Sanitation District Total Dissolved Solids Reduction and Recycled Water Project (Brinex) adopted by the Board of Directors on April 18, 2000 and the Wastewater Reclamation Plant Facilities Master Plan and Habitat Conservation Plan Final Mitigated Negative Declaration 17NGD-00000-000-15 adopted by the Board of Directors on July 3, 2018.

**Summary Text:**

This item is on the agenda in order to authorize the purchase of a replacement ultraviolet disinfection system at the Laguna County Sanitation District Wastewater Reclamation Plant in an amount not to exceed \$540,000. Pursuant to County Code Section 2-39, we are requesting your Board waive the requirement for a competitive bid for the purchase of a retrofit to the existing ultraviolet disinfection system from the original vendor, Aquionics, Inc. given that there are limitations on the source or supply. The original ultraviolet disinfection system was procured from this vendor as a sole source purchase authorized July 11, 2000. The facility has a useful life of 15 years and now requires updating. The proposed replacement utilizes the original reactor units but replaces the power cabinets and control systems. This action requests that the Board authorize the County Purchasing Agent to procure the replacement ultraviolet disinfection system.

**Background:**

The Laguna County Sanitation District (District) operates a wastewater reclamation plant that serves the Orcutt and unincorporated Santa Maria area. The water is highly treated and reused for beneficial uses. Disinfection is accomplished through ultraviolet irradiation. Due to the small footprint for the disinfection equipment, an in-line enclosed system (versus open channel) was required. A sole source procurement was approved July 11, 2000 in the amount of \$439,600 to purchase the system from Aquionics, Inc. because this company was the only manufacturer of a California Department of Public Health (now Division of Drinking Water) approved ultraviolet disinfection system for Title 22 applications of recycled water at the time.

The useful life of the ultraviolet disinfection system is approximately 15 years. The system has been routinely maintained (bulb replacements, cleaning, etc.), however, electrical, electronic, and control mechanisms are no longer manufactured and are wearing out. A complete system replacement is estimated to cost approximately \$1.2 million while a retrofit that repurposes the existing stainless steel reactor units will cost approximately \$540,000. Due to proprietary nature of this technology, Aquionics, Inc. is the only entity that can provide a retrofit of the existing system. The majority of the retrofit will consist of removal and installation of electrical and control cabinetry, and modernizing monitoring equipment. A retrofit further reduces costs by avoiding the reconstruction of the existing above and below-ground piping, concrete removal and replacement, and re-engineering of the hydraulics and electrical power for a complete system replacement. The shorter amount of time associated with a system retrofit as compared to a complete system replacement also results in the minimization of storing water, which optimizes peak winter storage capacity.

The initial installation of the ultraviolet disinfection system was analyzed in the Final Mitigated Declaration for the Laguna County Sanitation District Total Dissolved Solids Reduction and Recycled Water Project (Brinex) and biological impacts associated with ongoing operation, maintenance, replacement and repair of facilities were analyzed in the Wastewater Reclamation Plant Facilities Master Plan and Habitat Conservation Plan Final Mitigated Negative Declaration 17NGD-00000-000-15

(<http://www.countyofsb.org/pwd/environment.sbc>) and is included in the District Incidental Take Permit TE16913C.

Therefore, staff request that the Board waive the competitive bid requirement and authorize the County Purchasing Agent to procure the ultraviolet disinfection system retrofit from Aquionics, Inc. at a cost not to exceed approximately \$540,000 (including taxes).

**Performance Measure:**

Replacement of the ultraviolet disinfection system ensures that the District can continue to provide the required level of treatment.

**Fiscal and Facilities Impacts:**

Budgeted: BRR to FY 2019-2020

**Fiscal Analysis:**

<b><u>Funding Sources</u></b>	<b><u>Current FY Cost:</u></b>	<b><u>Annualized On-going Cost:</u></b>	<b><u>Total One-Time Project Cost</u></b>
General Fund			
State			
Federal			
Fees			
Other:	\$ 540,000.00		
Total	\$ 540,000.00	\$ -	\$ -

Funding is from District capital reserves in Department 054, Fund 2870, Account 8200.

**Staffing Impacts**

There are no staffing impacts with this action.

**Special Instructions:**

Direct the Clerk of the Board to forward a certified copy of the minute order to:

- Sylvester Donelson, Jr., General Services Department, Chief Procurement Officer; and
- Martin Wilder, Public Works Department, Laguna County Sanitation District Manager

**Attachments:**

Attachment A: Budget Revision Request

Attachment B: Purchasing Requisition and Proposal

**Authored by:**

Martin Wilder, P.E., District Manager, (805) 739-8750  
Public Works Department

Subject: Request for Waiver of Competition in Purchase of Replacement Ultraviolet Disinfection System at the Laguna County Sanitation District  
Wastewater Reclamation Plant  
Agenda Date: August 27, 2019  
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**Copy:**

Mark Masoner, Purchasing Agent, General Services Department  
Angela Arredondo, Laguna County Sanitation District Accountant