



March 13, 2019

Ms. Shannon LaRocque  
Utilities Director  
Village of Wellington  
12300 West Forest Hill Blvd.  
Wellington, FL 33414

RE: Membrane Purchase Evaluation of Bids  
Bid No. 201902  
KHA Job No. 144957001

Dear Shannon,

The Village of Wellington publicly advertised the Membrane Purchase bid documents and on March 11, 2019 bids were publicly opened and read. A bid tabulation was prepared by The Village of Wellington and provided to Kimley-Horn and Associates Inc., that includes a summary of the total bid amounts for the three (3) bids that were received. The bids ranged from \$629,410.00 to \$720,194.28. The Engineer's Opinion of Probable Construction Cost for the project as advertised was \$660,070.00. One non-conforming and therefore non-responsive bid was received.

Kimley-Horn and Associates, Inc. has been asked to review the bid proposal of the apparent low bidder for completeness with respect to the lowest responsive, responsible bidder. Kimley-Horn was also asked to evaluate the 5-year life cycle cost between the 2 separate membranes included in the low bid. The bid package of Aerex Industries, Inc. was provided by the Village and reviewed by Kimley-Horn. The results of our review follows:

- No math errors were found on the Schedule of Bid Items.
- Upon review of the bid package, it was found that Aerex Industries, Inc. Inc. has submitted the documentation requested by the bid.
- The Aerex bid included the option of two (2) separate membranes with each having a different purchase price and operating conditions that affect the operating cost when using that membrane. The evaluation document is attached and demonstrated that the DOW-Dupont membrane offers the lowest annual cost.

- The standard Warranty Conditions for both DOW-Dupont and Hydranautics were included in the bid and reviewed. No direct violations of the bid documents were noted, and the requirements of the warranties appeared suitable.

Kimley-Horn is well aware of the firm Aerex Industries, they are well qualified for this job, and Kimley-Horn sees no reason the Village should not award this project to Aerex Industries, Inc. supplying the DOW-Dupont membrane. Based on the results of our review, Aerex Industries, Inc. submitted the lowest responsive, responsible bid for the project.

Should you have any questions or comments, please do not hesitate to contact this office at (561) 840-0847.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.



John Potts, P.E.

Attachment: 5 Year Life Cycle Analysis

Cc: Matt Tebow, William Reese

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**VILLAGE OF WELLINGTON MEMBRANE REPLACEMENT**  
**EVALUATION OF BIDS**  
**March 13, 2019**

Membrane Make/Model	Bid Cost		Feed Pressure/Pertmeate TDS End of Year					Annual Energy Cost/Annual Capital Cost for All Trains					Total Annual Cost for All Trains					5 Year Life Cycle Cost	Warranty Cost
								Year					Year						
	Membrane	Total	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5		
Filmtec NF90-400/34i	\$410	\$458,790	81	85	87	89	92	\$80,584	\$87,591	\$91,095	\$94,599	\$99,854	\$181,479	\$188,486	\$191,990	\$195,494	\$200,749	\$958,199	\$410
			113	112	112	111	111	\$100,895	\$100,895	\$100,895	\$100,895	\$100,895							
Hydranautics ESNA-LF-LD	\$451	\$504,669	94	96	98	100	103	\$103,358	\$106,861	\$110,365	\$113,869	\$119,124	\$214,342	\$217,846	\$221,350	\$224,853	\$230,109	\$1,108,500	\$451
			191	200	208	217	225	\$110,985	\$110,985	\$110,985	\$110,985	\$110,985							

Evaluation Based on Low Bid Values