

TO: Board of Commissioners
FROM: Josh Tyler, Director of Operations
DATE: July 27, 2022
RE: CSWD New Materials Recovery Facility – Equipment Procurement

On March 23rd, 2022, District staff requested Board authorization to proceed to Bond for a new Materials Recovery Facility (MRF). The request included a detailed outline regarding a notable need to upgrade material processing technology for increased capacity, competitive market commodity quality and efficient and effective materials sorting. The Board approved staff’s request via public resolution. Staff issued RFP No. 20220104 Single Stream System Design which we posted to the online VT Business Registry and sent to four national MRF equipment providers. Four national vendors responded to the RFP:

- MachineX Technologies, Plessisville, QC and High Point, NC
- Van Dyk Recycling Solutions (VDRS), Norwalk, CT
- Bulk Handling Systems (BHS), Eugene, OR
- CP Group, San Diego, CA

Bid Selection Criteria were based on experience of the respondent, understanding and response to the RFP and proposal costs. The Bid Evaluation form is included as Attachment A.

RFP No. 20220104 Single Stream Design Bid Results				
Vendor	VDRS	BHS	MachineX Tech	CP Group
Total Score (out of 300)	284	254	248	241
Total Cost	\$16,160,000	\$15,560,982	\$17,885,000	\$17,554,548

The base-level system requested in the RFP was for a 25-ton per hour system capable of processing 50,000-70,000 annual tons of blue-bin recyclables using a combination of optical sorting technology, screens, ballistic separation, magnets, and eddy current separation. The RFP required reuse of the District’s existing glass clean-up equipment as well as the baler purchased in 2018. Requirements for bale purity, process efficiency, and staffing efficiency were also included in the RFP.

Upon a comprehensive review of each bid, which included interviews with each respondent and site visits to MRFs comparable in annual tonnage and utilizing the same equipment as described in the respondents’ proposals, staff concluded that the VDRS proposal provided the highest level of material processing technology at the best price, and includes flexibility for potential future material acceptance, a robust “second chance” design for optimal material recovery, and multiple options for future adaptability for Quality Assurance/Quality Control regarding commodity purity and staffing levels. Highlights of the VDRS system are: seven optical material sorting machines, full baler redundancy to include a single ram baler capable of baling all commodities in the event the current baler is not operational, expanded fiber bunker capacity to allow the production of additional grades of fiber, and space to add future automation to increase throughput at minimal cost. VDRS

service highlights are: eight regional (New England) technicians, twenty million spare parts in inventory, and a training school for optical sorters and baler operation located in Norwalk, CT. In addition, VDRS recently hired a new sales and service representative who is based in Manchester, VT.

Staff recommends that CSWD enters a contract with Van Dyk Recycling Solutions contingent upon voter approval of the MRF bond in November.

BE IT RESOLVED that the Board of Commissioners authorizes the Executive Director to enter into a contractual agreement with Van Dyk Recycling Solutions, Norwalk, CT, for the purchase of a Materials Recovery Facility Single Stream Recycling System as described in their initial and subsequent response to RFP No. 20220104 for an amount not to exceed \$16,160,000, purchase of which is contingent upon a successful Bond vote in November 2022.