

**INTENT TO AWARD SOLE SOURCE CONTRACT**

<b>Title</b>	Aquaponics and Hydroponic Design, Supervisory and Instructional Services
<b>Notice Date</b>	September 5, 2018
<b>Response Due Date</b>	September 14, 2018
<b>Reference Number</b>	P0010186
<b>Contract Description</b>	<ul style="list-style-type: none"> <li>• The contractor has a familiarity and understanding of the University's aquaponics and hydroponics systems which use patented flowvex aeration technology developed by UDC professor emeritus Tom Kakovitch. The system requires a specialized understanding of the dynamic flows created by the Flowvex device.</li> <li>• Mr. William McGrath of New Enders Corp generated the original design and 1st upgrade of Van Ness Hydro, Backus Hydro, PRHarris Hydro and the Firebird Farm and Maya Angelou Hydro as well as the 1st upgrade of two aquaponics systems at Firebird Farm, East Capitol Urban Farm, Bertie Backus and PR Harris Urban Farms. Mr. McGrath pioneered the integration and installation of the Flo-Vex® aeration system in both Hydroponic and aquaponics systems.</li> <li>• New Enders has over 35 years working in training and oversight of water engineering and waste water technology.</li> <li>• The University Systems are high intensity research systems. Altered design or configuration could significantly damage research experiments.</li> <li>• The training requires an understanding of the design and training requires an understanding of the Flowvex patented device. As mentioned above New Enders's</li> </ul>

	<p>Mr. William McGrath has specialized knowledge of the design and operations of the system. He has designed and worked on all the systems in cooperation with Flowvex Industries.</p>
<b>Vendor Name</b>	New Enders Corporation
<b>Point of Contact</b>	Anthony Berry, Contract Specialist 202-274-6914 <u><a href="mailto:Anthony.berry@udc.edu">Anthony.berry@udc.edu</a></u>

**DETERMINATION AND FINDINGS  
FOR A  
SOLE SOURCE PROCUREMENT**

**Agency:** University of the District of Columbia  
**Purchase Order:** P0010186  
**Caption:** Aquaponics and Hydroponic Design, Supervisory and Instructional Services  
**Contractor:** New Enders Corporation

**FINDINGS**

**1. Authorization:**

D.C. Official Code §2-303.05(a)(1) and 8 DCMR Section 3019

**2. Minimum Need:**

The University of the District of Columbia has a need for a Contractor to provide the aforementioned services.

**3. Estimated Reasonable Cost:**

The estimated reasonable cost is \$15,390.00

**4. Facts Which Justify Sole Source Procurement:**

- The contractor has a familiarity and understanding of the University's aquaponics and hydroponics systems which use patented flowvex aeration technology developed by UDC professor emeritus Tom Kakovitch. The system requires a specialized understanding of the dynamic flows created by the Flowvex device.
- Mr. William McGrath of New Enders Corp generated the original design and 1<sup>st</sup> upgrade of Van Ness Hydro, Backus Hydro, PRHarris Hydro and the Firebird Farm and Maya Angelou Hydro as well as the 1<sup>st</sup> upgrade of two aquaponics systems at Firebird Farm, East Capitol Urban Farm, Bertie Backus and PR Harris Urban Farms. Mr. McGrath pioneered the integration and installation of the Flo-Vex® aeration system in both Hydroponic and aquaponics systems.
- New Enders has over 35 years working in training and oversight of water engineering and waste water technology.
- The University Systems are high intensity research systems. Altered design or configuration could significantly damage research experiments.
- The training requires an understanding of the design and training requires an understanding of the Flowvex patented device. As mentioned above New Ender's Mr. William McGrath has specialized knowledge of the design and operations of the system. He has designed and worked on all the systems in cooperation with Flowvex Industries

and Burdette industries. No other contactor has this knowledge and experience in particular with the Flowvex patented technology.

### Scope

1. Generate upgrade arrangement drawings for the PR Harris and Bertie Backus aquaponics Systems to increase growing capacity to the maximum extent possible. Develop estimated material list and piping arrangement drawings. Provide drawings for the upgrade of the Hydroponic control system to match the features on the Maya Angelou and Firebird Farm Hydroponic Systems.
2. Train and supervise the removal, replacement and testing of the Drum Filter shaft and seal for the Drum Filters installed at Bertie Backus and east Capitol Aquaponic systems.
3. Train and supervise the troubleshooting and upgrading of the three(3) Burdette Drum Filters installed at Firebird Farm Aquaponic Systems.
4. Train, Assist and supervise UDC personnel to modify and adjust the Firebird Farm Containerized Aquaponics system to operate as designed. This includes the proper configuration of the Flo-Vex® aeration device which is essential to proper operation.
5. New Enders Corporation is uniquely qualified as Mr. William McGrath of New Enders Corporation worked with Burdette Industries on the original installation of the Containerized system. Modifications have been made to the original configuration which have removed the effectiveness of the Flo-Vex® aeration system as well as defeated most of the design features. Mr. McGrath will bring his extensive experience insure that the container aquaponics system will as designed and correctly integrate with the two adjacent greenhouses.

5. **Certification by the Contract Specialist:**

I hereby certify that the above findings are correct and complete to the best of my knowledge.

  
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Anthony Berry  
Contract Specialist (CS)

  
\_\_\_\_\_  
Date

**DETERMINATION**

Based on the above findings and in accordance with D.C. Official Code §2-303.05(a)(1) and 8 DCMR Section 3019, I hereby determine that the subject procurement action may be procured using the sole source method of procurement.

*Eddie Whitaker*

Eddie Whitaker  
Contracting Officer (CO)

*9/5/18*

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Date