

Date of Board Meeting: August 18, 2026

Subject: Purchase simulation training systems for the Bay City Nuclear Power Technology and Process Technology Programs

Recommendation: Approve \$366,391 for the purchase of training systems from Simtronics Corporation for the Bay City Nuclear Power Technology and Process Technology Programs

Background and Rationale:

On March 24, 2026, the Board approved the Nuclear Power Technology Program Expansion, authorizing the College administration to execute purchases, contracts, and related agreements necessary to implement the Bay City Nuclear Power Technology Program using the special state appropriated funds. The proposed purchase of training systems for the Bay City Nuclear Power Technology and Process Technology programs from Simtronics Corporation, in the amount of \$366,391, exceeds this threshold. Accordingly, this request is presented for Board approval in accordance with the Board's prior authorization and purchasing policies.

The purchase of the upgraded Simtronics Simulation Training software will provide students in the Nuclear Power Technology and Process Technology Programs with realistic, scenario-based training in plant operations and process control within a safe, simulated environment. This upgrade keeps the College's simulation capabilities aligned with industry-standard training tools and better prepares graduates for the regional energy workforce.

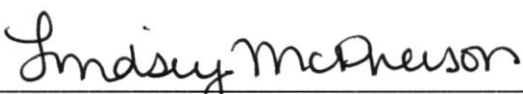
The College will utilize Simtronics Corporation, an awarded vendor under the TIPS Purchasing Cooperative Contract #240101, for this purchase. Use of this cooperative purchasing contract satisfies the competitive procurement requirements of Texas Education Code §44.031, which authorizes governmental entities, including community colleges, to procure goods and services through approved cooperative purchasing programs.

Budgetary Implications: \$183,195.50 Special State Appropriations, Nuclear Program Expansion
\$183,195.50 WCJC Plant Funds

Strategic Priority Alignment: ☒ Student Success ☐ Community Impact
☒ Resource Optimization ☒ Institutional Excellence

Resource Personnel: Kimberly Ashburn, Director of Continuing Education
Lindsey McPherson, Associate VP of Academic Affairs

Approval:



Cabinet-Level Member



President

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Little Silver, NJ 07739-0038
USA

sales@simtronics.com
www.simtronics.com

Phone: 1-732-747-0322
1-800-730-0760
Fax: 1-732-224-0009

Quotation No: ST054-2026

May 18, 2026

Wharton County Junior College

4000 Avenue F, Suite B.

Bay City, TX 77414

Attention: Mr. Brian Troquille
Director of Process Technology / Instructor

Dear Mr. Troquille,

Thank you for the opportunity to provide you with the following Quotation.

1.0 Training Investment – DSS Upgrade, Additional Licenses, Training Workbooks, and Simtec Exercises

Investment for Software Upgrade	
Description	12.5% Upgrade
Twenty (20) licenses of eleven (11) Standard Process Models	\$19,800.00
Investment for Additional Licenses	
Description	Price
Two (2) additional licenses of the existing eleven (11) Standard Process Models	\$19,800.00
Investment for Standard Process Models	
Description	Price
Twenty-two (22) licenses of nineteen (19) Standard Process Models	\$284,240.00
Investment for Training Workbooks	
Description	Price
TWB-C300 Polaris Operations Training Unit	\$1,725.00
TWB-100 Tank System	\$875.00
TWB-200 Pumping System	\$875.00
TWB-300 Mix Tank	\$875.00
TWB-310 Blending Tank	\$875.00
TWB-400 Heat Exchanger	\$875.00
TWB-500 Flash Tank	\$875.00
TWB-610 Total Trainer	\$875.00
TWB-700 Distillation	\$1,725.00
TWB-730 Advanced Flare System	\$1,725.00
TWB-800 Centrifugal Pump	\$875.00
TWB-900 Condenser	\$875.00
TWB-910 Reboiler	\$875.00
TWB-1000 Air Cooler	\$875.00

TWB-1010 Cooling Tower	\$1,725.00
TWB-1100 Instrumentation I	\$875.00
TWB-1200 Natural Draft Fired Heater	\$1,725.00
TWB-1400 Centrifugal Compressor	\$1,725.00
TWB-1410 Steam Turbine	\$876.00
TWB-1500 Superheated Steam Boiler	\$1,725.00
TWB-1600 Instrumentation II	\$875.00
TWB-1700 Instrumentation III	\$875.00
TWB-1900 Instrumentation V	\$875.00
TWB-2100 Continuous Stirred Tank Reactor	\$875.00
TWB-2200 Tubular Reactor	\$1,725.00
TWB-2300 Fixed Bed Reactor	\$1,725.00
TWB-2400 Fluidized Catalytic Cracking Unit (FCCU)	\$2,175.00
TWB-2700 Atmospheric / Vacuum Crude Units	\$2,600.00
TWB-3100 Amine Treating Unit	\$2,175.00
TWB-5400 Boiler Feedwater System (BFW)	\$875.00
Investment for Simtec Exercises	
Description	Price
Seventy-eight (78) Simtronics Simtec Exercises	\$4,325.00
Total	\$366,391.00

Notes:

- Includes upgrade of twenty (20) licenses of eleven (11) Standard Process Models to DSS v8.0.
- Please note that the original version 7.0 SPM's upgraded to our newest version 8.0 will no longer be available for use after the upgrade.
- We have applied volume discounts as applicable.
- Includes additional two (2) licenses of the existing eleven (11) SPM's for a total of twenty-two (22) licenses.
- Includes twenty-two (22) licenses of nineteen (19) Standard Process Models.
- The existing SPM's will be replaced by the following thirty (30) Standard Process Models.
 - o CPM-300 Polaris Operations Training Unit
 - o SPM-100 Tank System
 - o SPM-200 Pumping System
 - o SPM-300 Mix Tank
 - o SPM-310 Blending Tank
 - o SPM-400 Heat Exchanger
 - o SPM-500 Flash Tank
 - o SPM-610 Total Trainer
 - o SPM-700 Distillation
 - o SPM-730 Advanced Flare System
 - o SPM-800 Centrifugal Pump
 - o SPM-900 Condenser
 - o SPM-910 Reboiler
 - o SPM-1000 Air Cooler
 - o SPM-1010 Cooling Tower
 - o SPM-1100 Instrumentation I: Basic Processes
 - o SPM-1200 Natural Draft Fired Heater
 - o SPM-1400 Centrifugal Compressor
 - o SPM-1410 Steam Turbine
 - o SPM-1500 Superheated Steam Boiler
 - o SPM-1600 Instrumentation II: Basic Concepts

- SPM-1700 Instrumentation III: Multi Element
- SPM-1900 Instrumentation V: 3 Element Boiler Feedwater
- SPM-2100 Continuous Stirred Tank Reactor (CSTR)
- SPM-2200 Tubular Reactor
- SPM-2300 Fixed Bed Reactor
- SPM-2400 Fluidized Catalytic Cracking Unit (FCCU)
- SPM-2700 Atmospheric / Vacuum Crude Units
- SPM-3100 Amine Treating Unit
- SPM-5400 Boiler Feedwater System
- Includes DSS v8.0.
- Includes DSS User's Guide and all SPM Training Manuals.
- Includes thirty (30) Training Workbooks.
 - Includes unlimited reproductions rights for Wharton County Junior College in Bay City, TX.
- Includes seventy-eight (78) Simtec Exercises for difficulty levels 1-3.
- This is perpetual licensed, Microsoft client-server software:
 - Includes 3D equipment animations.
 - Includes PSU Performance Scoring Utility
 - Includes several pre-built, "benchmarked" training exercises
 - Includes ability to create new exercises
 - Includes the ability to benchmark new exercises for trainee evaluation
- Onsite Turnkey installation is not provided per the protocols for IT departments standards, etc.
- Free technical support provided via e-mail, phone, etc.
- Maintenance agreements are not provided.
- Version 9.x software upgrades are provided for twelve-and-one-half percent (12.5%) of the total purchase price.
- We no longer provide the TopOp product.

2.0 Training Investment – Virtual Field Operator (VFO)

Investment for Virtual Field Operator	
Description	22 Licenses
VFO-300 Polaris Operations Training Unit	\$17,600.00
VFO-100 Tank System	\$17,600.00
VFO-200 Pumping System	\$17,600.00
VFO-300 Mix Tank	\$17,600.00
VFO-310 Blending Tank	\$17,600.00
VFO-400 Heat Exchanger	\$17,600.00
VFO-500 Flash Tank	\$17,600.00
VFO-700 Distillation	\$17,600.00
VFO-800 Centrifugal Pump	\$17,600.00
VFO-900 Condenser	\$17,600.00
VFO-910 Reboiler	\$17,600.00
VFO-1000 Air Cooler	\$17,600.00
VFO-1010 Cooling Tower	\$17,600.00
VFO-1200 Natural Draft Fired Heater	\$17,600.00
VFO-1400 Centrifugal Compressor	\$17,600.00
VFO-1500 Superheated Steam Boiler	\$17,600.00
VFO-2100 Continuous Stirred Tank Reactor	\$17,600.00
VFO-2200 Tubular Reactor	\$17,600.00
VFO-2300 Fixed Bed Reactor	\$17,600.00
VFO-2400 Fluidized Catalytic Cracking Unit (FCCU)	\$17,600.00
VFO-2700 Atmospheric / Vacuum Crude Units	\$17,600.00
VFO-3100 Amine Treating Unit	\$17,600.00
VFO-5400 Boiler Feedwater System (BFW)	\$17,600.00

Notes:

- Price includes twenty-two (22) licenses of the selected Virtual Field Operator(s).

3.0 Training Investment – Onsite Training

Investment for Onsite Training	
Description	Price
Onsite Training per Day	\$1,250.00
Total	\$1,250.00

Notes:

- Includes travel costs
- Maximum six (6) contact hours per day

4.0 Delivery Terms

Simtronics will deliver all Standard Software, Manuals, Training Workbooks and Simtec Exercises within thirty (30) days upon receipt of the Purchase Order

5.0 Standard Payment Terms and Taxes

- All prices are in US Dollars, NET Simtronics.
- All payments are Net 30 days from the Invoice date.
- All taxes, customs fees, and duties are to be paid by the purchaser.
- This quotation will remain valid for ninety (90) days past the date of issue.
- Please e-mail Purchase Orders to orders@simtronics.com

Mr. Troquille, thank you again for the opportunity to provide you with this quotation. We look forward to working with you. Please feel free to contact me if you have any questions regarding the quotation.

Best Regards,

Steven E. Kallos P.E.

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