

IFB 19-05

Regular Board Meeting September 10, 2018
Consideration of Approval to Purchase Maintenance Training Simulator Platforms
for Central Campus Petrochemical Process Training Unit

ADMINISTRATION RECOMMENDATION/REPORT

The administration recommends that the Board of Trustees purchase Maintenance Training Simulator (MTS) platform equipment from Emerson Process Management LLLP to be utilized as part of the petrochemical process training unit at Central Campus.

BACKGROUND

The Center for Petrochemical, Energy, and Technology building will include laboratories and a control room that will both operate and simulate the live processes associated with the petrochemical process training unit that is being constructed adjacent the new facility. The MTS platform equipment is constructed from process control technology used in real processes and can be used to train students on instruments used to monitor and control industrial processes including temperature, pressure, flow, level and final control valves. The MTS features control loops for flow control and tank level as well as the possibility to create cascade control loop strategies within a fully functioning DeltaV distributed control system.

An invitation for bids, Project Number 19-05, was issued to procure MTS Platform equipment. One (1) response was received and it was determined the response submitted by Emerson Process Management LLLP would provide the best value to the College and the department.

IMPACT OF THIS ACTION

The platform control system delivers a plant-like experience in the classroom. The compact, flexible, modular design allows it to fit through a standard classroom door. Exposure to this equipment will allow students the hands-on training experience they will encounter in the plants while reducing risk. The equipment also includes an extensive task-based performance support video library with interactive learning opportunities on topics such as calibration, diagnostic, troubleshooting, maintenance and much more.

BUDGET INFORMATION (INCLUDING ANY STAFFING IMPLICATIONS)

The expenditure is \$1,162,000. This expenditure will be funded from the 2015 Bond Program budget.

MONITORING AND REPORTING TIMELINE

The equipment will be purchased by September 30, 2018 and delivered in coordination with the construction of the facility.

ATTACHMENTS

Attachment 1 – Tabulation

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