

**SOLANO COMMUNITY COLLEGE DISTRICT  
GOVERNING BOARD AGENDA ITEM**

**TO: Members of the Governing Board**

**SUBJECT: RATIFICATION OF AMENDMENT #1 TO ADVENT  
ENGINEERING SERVICES, INC. FOR PROFESSIONAL  
SERVICES FOR THE BIOTECHNOLOGY AND SCIENCE  
BUILDING PROJECT**

**REQUESTED ACTION:**

Information    OR     Approval  
 Consent        OR     Non-Consent

**SUMMARY:**

On September 6, 2017 the Board ratified award of a professional services contract to Advent Engineering Services, Inc., to provide onsite acceptance testing and commissioning strategy for final installation of the three large bioreactors for the Vacaville Biotechnology and Science Building Project. Advent performed their assessment and submitted a report which included recommendations. District has reviewed the report and recommends that Advent Engineering Services provide additional services to facilitate successful final installation and commissioning

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**STUDENT SUCCESS IMPACT:**

- Help our students achieve their educational, professional and personal goals
- Basic skills education
- Workforce development and training
- Transfer-level education
- Other: Provide new instructional space and equipment

*Ed. Code:      Board Policy: 3225; 3520      Estimated Fiscal Impact: \$21,120 Measure Q Funds*

**SUPERINTENDENT'S RECOMMENDATION:**       **APPROVAL**       **DISAPPROVAL**  
 **NOT REQUIRED**       **TABLE**

Lucky Lofton  
Executive Bonds Manager

**PRESENTER'S NAME**

4000 Suisun Valley Road  
Fairfield, CA 94534

**ADDRESS**

(707) 863-7855

**TELEPHONE NUMBER**

Vice President, Finance & Administration

**VICE PRESIDENT APPROVAL**

September 22, 2017

**DATE SUBMITTED TO  
SUPERINTENDENT-PRESIDENT**

Celia Esposito-Noy, Ed.D.  
Superintendent-President

September 22, 2017

**DATE APPROVED BY  
SUPERINTENDENT-PRESIDENT**

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**SUMMARY:**

*CONTINUED FROM THE PREVIOUS PAGE*

of this specialized equipment. The scope of additional services can generally be described as providing specifications and installation details for a clean steam generator, bioreactor gas header, evaluation and recommendations of condensate cooler lines, process gas gauges, labeling, and piping, and chilled water supply, evaluation and calculations of discharge, equipment commissioning, and preparation for and participation in Vendor training and provide subsequent training as needed.

Execution of this Amendment #1 was needed in a timely manner in order to complete the final installation and have the equipment fully operational for spring semester. Amendment #1 allows up to 132 additional hours of services. However, consultant will bill only actual hours required to perform the services.

Summary of Contract Amount:  
\$ 14,400.00 Original Contract Amount  
\$ 21,120.00 Proposed Amendment #1  
\$ 35,520.00 New Contract Amount

The Board is asked to ratify this contract Amendment #1 to Advent Engineering Services, Inc. in an amount not to exceed \$21,120.

The contract amendment is available online at: <http://www.solano.edu/measureq/planning.php>.

## AMENDMENT # 1 TO AGREEMENT

### PARTIES

This First Amendment to Agreement ("Amendment") is entered into between Solano Community College District ("District") and **Advent Engineering Services, Inc.** ("Consultant"), collectively the "Parties").

### RECITALS

WHEREAS, District and Consultant entered into a Consulting Services Agreement ("Agreement"), dated August 16, 2017 for services related to the **Vacaville Biotechnology and Science Building Project**.

WHEREAS, District and Consultant agree to amend the Agreement to modify the original services being performed for the Vacaville Biotechnology and Science Building Project.

NOW THEREFORE, in consideration of the mutual promises and covenants set forth above and contained herein, District and Consultant agree as follows:

### AGREEMENT

1. Section 4 of the Agreement is amended to read in its entirety:  
Compensation: District agrees to pay the Consultant for services satisfactorily rendered pursuant to this Agreement a total fee not to exceed **Thirty-five Thousand Five Hundred and Twenty Dollars** amount of \$14,400, plus Amendment #1 in the amount not to exceed \$21,120.
2. The language in Exhibit A is further modified to add:  
Scope of work added to the original agreement will include:
  - Clean Steam
    - SCC decided to move forward with installation of Clean Steam Generator this includes installation of a Clean Steam Supply header to all 3 bioreactors.
    - Advent to supply specification, price quote, and all details regarding delivery. Installation details, drawings (P&ID, piping drawings etc.) by DBE team.
    - Advent to review and comment on any/all proposed installation details and supply feedback to DBE team as required.
  - Bioreactor Exhaust Gases
    - It was decided that a separate bioreactor exhaust gas header will be included
    - The exhaust gas pipe will penetrate the roof, or be piped into exhaust header Advent to review the 2 options along with DBE team
    - Advent to supply sketches for the installation details once decision is made. The DBE team will provide the design drawings.
    - A low point and device for draining of condensate from the exhaust header will be required and specified by Advent regardless of where the exhaust gas lines are directed.
  - Condensate Cooler Lines
    - Advent to red line any/all P&ID to show outlets from bioreactor skids to condensate cooler.
    - Advent to red line any/all P&ID drawings to show connection from filter housing trap lines to condensate coolers
    - Advent to provide red line to any/all P&ID drawings to identify low point trap locations for new steam trap to be installed just upstream from the sanitary stem regulator and connection to condensate cooler.
  - Process Gases

- Advent to review any plans for adding pressure gauges, labeling, and “protection” of the piping at the floor to each bioreactor skid. Evaluate if the skid gauges provide the students with the required pressures. Gauges may not be needed on the inlet lines if 1) there are gauges on the gas lines as they enter the lab, and 2) if the skid gauges provide the necessary skid gas pressure information.
  - Advent to provide guidance and support to contractors during selection and installation of PTFE tubing and compression fittings for O<sub>2</sub>, N<sub>2</sub> and CO<sub>2</sub> gases from the skid deck to the DCUs.
  - Chilled Water
    - Advent to address the concern by Eppendorf that the Chilled Water system is not supplying sufficient flow and pressure at the bioreactor points of use
    - Advent to walk down the chilled water system, simulate some chilled water use to determine the conditions of the Chilled Water system and its ability to perform per Eppendorf specifications
    - Advent to possibly run pressure drop/flow calculations in the case that the system is not achieving the proper flow and pressure
    - Advent to supply solutions as to how to achieve the correct process flows and pressures at points of use if indeed there is a discrepancy.
  - Facility Discharge to City of Vacaville
    - Advent to conduct the evaluation of bioreactor discharges from the facility into City of Vacaville waste water treatment. This include all bio-waste drains to the city
    - Advent to supply calculations for the facility waste water discharge evaluation
  - Commissioning
    - Advent to verify that all systems are mechanically complete and assist in scheduling the Eppendorf start-up on site visit
    - Advent to participate and assist in the start-up activities when Eppendorf visits the site
    - Eppendorf has delivered a proposal for “bioreactor training” and SCC will determine the amount and scheduling (4-week lead time) of the services. Advent to be present and support training activities.
    - Advent to continue support of any training and operational activities beyond those specified in Eppendorf proposal
3. Except as set forth in this Amendment, all provisions of the Agreement and any previous extension(s) and/or amendments thereto shall remain unchanged, in full force and effect, and are reaffirmed. This Amendment shall control over any inconsistencies between it and the Agreement and/or any previous extension(s) and/or amendments

IN WITNESS WHEREOF, the parties hereto have accepted and agreed to this Amendment on the dates indicated below.

Dated: \_\_\_\_\_, 2017

Dated: \_\_\_\_\_, 2017

**SOLANO COMMUNITY COLLEGE  
DISTRICT**

**Advent Engineering Services Inc.**

By: \_\_\_\_\_

By: \_\_\_\_\_

Print Name: Lucky Lofton

Print Name: \_\_\_\_\_

Print Title: Executive Bonds Manager

Print Title: \_\_\_\_\_