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LOUISIANA COMMUNITY & TECHNICAL COLLEGE SYSTEM

TO: Dr. Monty Sullivan
LCTCS President

THROUGH: Dr. René Cintrón
Chief Academic Affairs Officer

FROM: Dr. Adrienne Fontenot
Director of Adult Learning and Educational Programs

SUBJECT: Delgado Community College's Advanced Manufacturing and Technology Center

DATE: November 26, 2018

FOR BOARD REVIEW AND ACTION:

Recommendation: Staff recommends that the Board approve the request for continued designation as a Center for Workforce Excellence from Delgado Community College's Advanced Manufacturing and Technology Center.

Background: Act 555 of the 2010 Regular Session of the Louisiana Legislature authorized the Louisiana Community and Technical College System Board of Supervisors, in coordination with the Louisiana Board of Regents, to create Centers of Excellence that provide customized educational and training programs to meet areas of need as identified by business and industry. There are three types of statewide Centers of Excellence to emphasize workforce training, academic programming, or research and innovation. The Advanced Manufacturing and Technology Center was conceived to offer training programs to support commerce along the Mississippi River in a growing area of Jefferson Parish west of the Huey Long Bridge. Delgado has submitted a progress report and is requesting continued designation as a Center for Workforce Excellence.

The Center's primary purpose is to train students in high-growth, high-demand and high-wage occupations with a focus on machining, robotics, mechatronics, CNC operations, and advanced manufacturing. The Center supports incumbent worker and specialized training needs through partnerships with business and industry. Additionally, a partnership with secondary schools is in place to build a seamless pathway from high school to college.

Fiscal Impact: Rapid response and grant funds, along with support from partners, allow the center to provide services in a state-of-the-art training facility with cutting-edge technology.

History of Prior Actions: Delgado first received this designation in February 2015.

APPROVED
[Signature] 12/12/18
LCTCS BOARD OF SUPERVISORS

Benefits to the System: The Center will help meet the growing business and industry demands in southeast Louisiana by providing a skilled workforce through quality, flexible, accessible, and responsive curriculum and training.



Approved for Recommendation to the Board
Dr. Monty Sullivan

12-12-18

Date

Delgado Community College
Advanced Manufacturing & Technology Center
Request for Continued Designation as a Center of
Workforce Education/Training

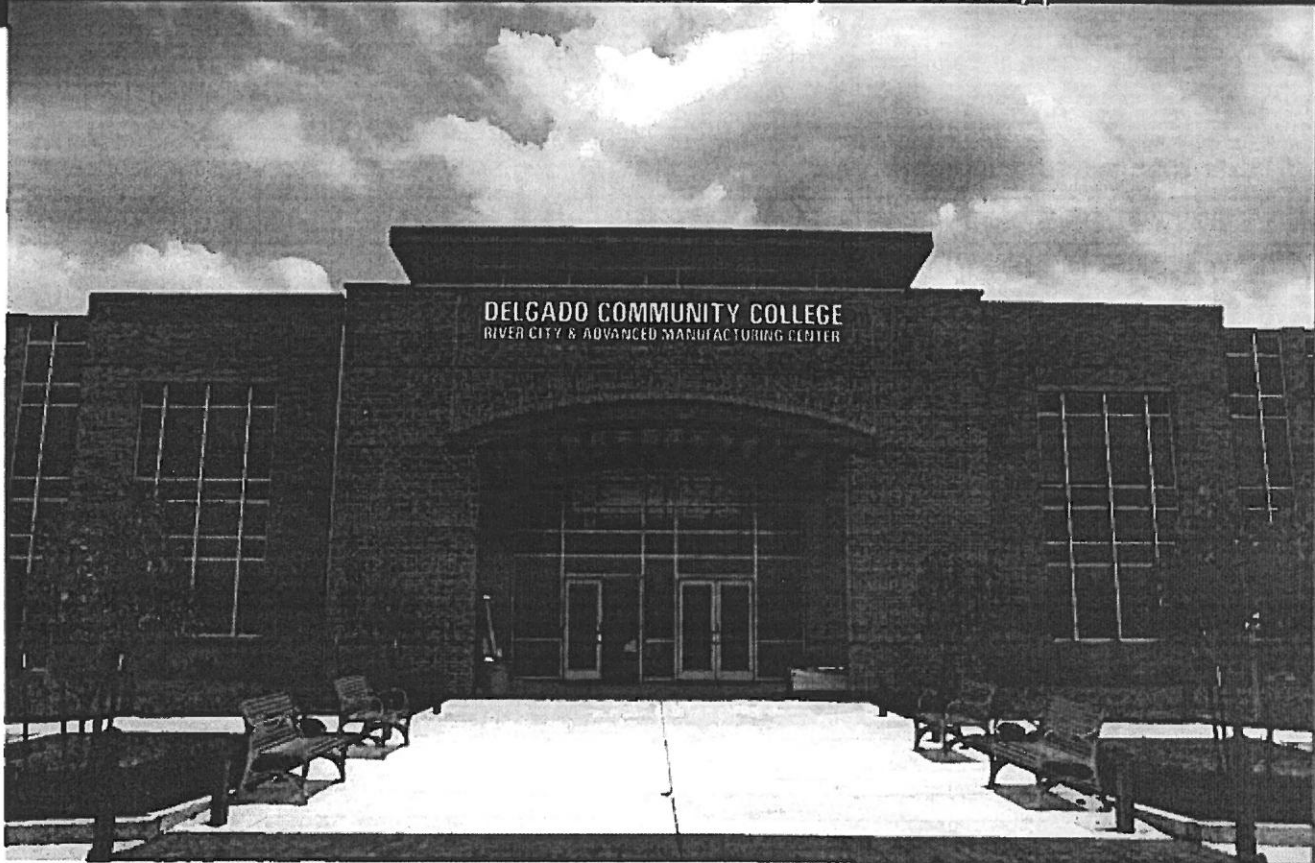


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Board of Regents
PROGRESS REPORT and REQUEST for
CONTINUED DESIGNATION as a CENTER of WORKFORCE EDUCATION/TRAINING

Center Name: Advanced Manufacturing & Technology Center	
Institution: Delgado Community College	Date:
Contact Person & Contact Info Arlanda Williams – 504-671-6489 985-870-0847 (cell) awilli4@dcc.edu	

Brief Description: What is the Center's purpose, and how has the Center been a significant element of the institution?

The Advanced Manufacturing & Technology Center's primary purpose is to train students in high-growth, high-demand and high-wage occupations with a focus on machining, robotics, mechatronics, CNC operations and advanced manufacturing. The Center supports incumbent worker training and specialized training needs through partnerships with business and industry. The Center also collaborates with secondary (K-12) to support efforts to build a seamless pathway from high school to community college.

The Center is significant to the institution in that it brings together the capabilities of the Workforce Development department, the academic rigor of the Technical Division and other academic programs within the college, and expertise from advisory committees and employer partners to support both the institution's mission and the Center's purpose.

Additionally, the River City Site where the Center is housed gives the college more capacity. Increased capacity benefits the college by: 1) increased course sections per semester which can increase revenue and enrollment 2) consolidating related programs and reducing duplication of programs throughout the campuses 3) increasing opportunities to provide training for business and industry partners 4) providing an opportunity to create new programs due to additional space.

Measures of Performance

1. How has the Center enhanced the Institution's mission? What value has the Center brought? What is being accomplished due to the existence of the Center?

The mission of Delgado Community College is to provide a learning-centered environment through face-to-face and distance education to prepare students from diverse backgrounds to attain their educational, career and personal goals, to think critically, to demonstrate leadership, and to be productive and responsible citizens. A core value of the College is meeting the needs of a changing workforce. The creation of an advanced manufacturing and technology center supports the mission and core values of the College. This is apparent in the strategic goals of the College outlined in the 2017-2021 Strategic Plan which are to:

- Create a Culture of Completion
- Embrace Excellence in Teaching and Learning
- Develop the Emerging Workforce

The center will assist the college in reducing barriers to student's access to lifelong learning, increasing opportunities for concurrent and dual enrollment, and promoting lifelong learning while providing career advancement strategies in order to foster a culture of completion. Enhancing programs to ensure employability of graduates, implementing innovative instructional design in programs offered, and strengthening access to instructional technology in learning will help to ensure excellence in teaching and learning. The Center provides state-of-the-art training equipment to ensure we are providing the latest technology currently used in industry. Having Delgado River City and Advanced Manufacturing Center located on the same site provides opportunities for courses in General Education, Adult Education through our WorkReadyU Program (WRU), and English as a Second Language (ESL) programs to our students thereby enhancing their training opportunities and success. With the training and value-added

resources it provides, the Center enables the College to be a workforce leader for the region. To contribute to developing the emerging workforce, the Center will continue to strengthen existing and develop new relationships between industry partners, academic programs, and workforce initiatives; develop innovative ways to deliver training, certification and educational programs in high demand occupations and expand capacity in programs that lead to high demand occupations.

The Advanced Manufacturing and Technology Center addresses business and industry needs through quality, flexible, accessible, and responsive curriculum and training that is critical to the sustainable, long-term needs of the advanced manufacturing industry. The Center brings value and:

- Provides participants with the opportunity to train in a state-of-the-art training facility with cutting-edge technology;
- Allows participants to benefit from instructors that are highly skilled and experienced in their crafts, many of whom have worked in their field for decades;
- Provides customized training opportunities for business and industry partners to enhance their current employees skills and to increase their hiring pool of skilled workers;
- Allows the College to integrate the courses currently offered in the technical division to the Advanced Manufacturing and Technology Center;
- Provides proximity to Lake Pontchartrain, Harvey Canal, Bayou Segnette, Bayou Barataria, Port of New Orleans, St. Bernard Port, Port of South Louisiana, and Plaquemines Port;
- Maintains vast partnerships with **GNO, Inc., La Workforce Commission, Workforce**

Investment Boards, West Bank Industrial Association, Plaquemines Association of Business and Industry, New Orleans Business Alliance, LED FastStart, MEPOL, Monsanto Inc., Bollinger Shipyards, Laitram, LLC, Cornerstone Chemical, Textron Marine & Land Systems, Lockheed Martin, St. Charles Parish Department of Public Works, IGP Methanol, ARC ROCK, and Phillips 66, and Chevron who are vested in the success of this effort;

- **Offers opportunity for development of additional articulation agreements with four-year institutions for advanced degrees in engineering and applied science in the areas of Industrial Technology, Manufacturing Engineering, and Naval Architecture/Marine Engineering;**
- **Results of the Advanced Manufacturing and Technology Center will allow the state to reach its ultimate goal of providing business and industry with a skilled workforce pool, while simultaneously providing Louisiana workers with the ability to succeed in an emerging economy;**
- **Prepares individuals for advanced manufacturing careers in southeastern Louisiana;**
- **Strengthens the competitiveness and appeal of southeastern Louisiana to local as well as global manufacturing companies;**
- **Provides industry based certification and degree opportunities in advanced manufacturing;**
- **Offers resources to address specific manufacturing education and training-related needs; and**
- **Increases competitiveness of advanced manufacturing companies within the region through training and sharing of best practices.**

2. How has the institution demonstrated performance excellence in this area of education and training? Include measureable outcomes. How will continuation as a Center contribute to its success?

An Industry Advisory Council was created to assist with reviewing and updating program curricula, course objectives, and course content to ensure students are being taught the latest industry processes on state-of-the-art equipment. During the academic year (AY) 2016-2017, students obtained 980 industry-based credentials (IBC). So far in 2017-2018 students have earned 509 IBC's through October 31, 2018. The industry-based credentials earned by students are nationally recognized organizations, such as National Center for Construction & Education Research (NCCER), American Welding Society (AWS), U.S. Coast Guard, and Occupational Safety and Health Administration (OSHA). With the new River City and Advanced Manufacturing Center now open, the IBC-trained student numbers will increase due to added training programs and labs. The continuation as a Center enables us to build on our success and by 2020, have the performance excellence needed to request designation as a Center of Workforce Excellence.

3. What new funding, donations and/or pledges has the Center received since the last report? What is the plan for the next five years of operation to maintain and enhance the performance of the Center? What infrastructure is in place to ensure future viability?

Since 2017, the Center has received \$550,000 in Rapid Response funds and a \$16,000 grant from the Gene Haas Foundation to provide scholarships and help obtain the National Institute for Metalworking Skills (NIMS) certification for our CNC/Machining program. Remaining funds from the \$10 Million U. S. Navy grant are currently being used to purchase state-of-the-art equipment and materials now that our new facility construction is completed. The Vice Chancellor for Workforce Development, together with key administrators will incorporate the Center and River City Site into the College's Strategic Plan ensuring the development of effective strategies to maintain and enhance

the performance of the Center and the success and viability of the Center. The chart below indicates the current and future funding sources that contribute to the viability and Infrastructure for the Advanced Manufacturing and Technology Center.

Source of Funds	Amount	Ending Date
NAVSEA-U.S. Navy	\$10,000,000	2019
Louisiana Legislature ACT 360	\$10,000,000	Completion of facility
State of Louisiana, Workforce Training Rapid Response – Craft Skill Training	\$550,000	December 2019
Department of Labor Workforce Innovation Fund	\$2,500,000	2020
General Electric	\$1,500,000	
GO Grant for Workforce Training	\$325,000	December 2019
Total	\$27,375,000	

4. Describe programs under development to be offered through the Center: purpose, status, anticipated implementation, expected productivity and rationale for expectations. How will each contribute to the Center's focus? Outline the plan for achieving/maintaining cutting-edge instruction in all areas. *[Addition of instructional (CRIN) programs under the Center umbrella must be approved by BoR.]*

The table below outlines the programs to be offered though the Center.

Program Name	Status	Anticipated Implementation	Expected Productivity	Rationale for Expectations
Industrial/Marine Electrical	Under development	January 2019	Skill Level attained is high-employability rate is high	Need for industrial and marine electrician in region
Marine Diesel Repair	Under development (Non-Credit)	January 2019	Skill Level attained is high-employability rate is high	Need for diesel repair mechanics in region
U. S. Coast Guard Approved Courses	Active at Maritime Training Center	January 2019	Skill Level attained is high-employability rate is high	Requirement for maritime personnel
CNC Plasma Cutting	Under development (Non-Credit)	May 2019	Will provide advanced skills to increase employability & wages	Skills required for advanced welding trades
Robotic Welding	Under development	May 2019	Will provide advanced skills to	Skills required for advanced welding trades

			increase employability & wages	
Robotics & Automation Systems	Under development	May 2019	Will provide advanced skills to increase employability & wages	Skills required for advanced manufacturing automation
Fanuc Authorized Service Technician (FAST)	Under development	January 2020	Will provide advanced skills to increase employability & wages	Need for skilled, certified robot technicians in region
Mechatronics	Under development	May 2019	Skill Level attained is high-employability rate is high	Need for skilled workers in advanced manufacturing processes
Quality Assurance	Under Development	May 2019	Will provide advanced skills to increase employability & wages	Need for skilled quality assurance personnel

We are currently developing an Industrial/Marine Electrical program and a new Marine Diesel Repair program that will also cover standard diesel repair. In collaboration with Delgado's Maritime and Industrial Training Facility in New Orleans East, we will be offering the following U.S. Coast Guard approved courses on the West Bank: Leadership and Managerial Skills, Qualified Member of the Engine Department (QMED), Engine and Resource Management (ERM), and Management of Electrical and Electronic Control Equipment (MEECE). These courses are required as specified in 46 CFR 11.325, of the Navigation and Inspection Circular (NVIC) 15-14, U.S. Coast Guard standards for every candidate for endorsement as CEO on vessels powered by main propulsion machinery of 3,000 kW/4,000 HP Propulsion Power or More (Management Level). As of December 2016, all mariners entering or maintaining these positions are required to have this

certification.

The Center will soon offer Computer Numerical Control (CNC) Plasma Cutting training and Robotic Welding into our welding curriculum. We are developing a partnership with FANUC Robotics Company to provide their FANUC Authorized Service Technician (FAST) training program at our Advanced Manufacturing & Technology Center. We will also work with additional organizations to offer robotics and automation training to the southeast Louisiana region. The development of training in Mechatronics will provide the region with workers equipped to operate automated and robotic machinery in advanced manufacturing. The center's training in Quality Assurance/Metallurgy will produce a workforce skilled in determining the quality and tolerance of materials in the manufacturing process. Delgado is currently developing, and will continue to develop, new cutting-edge programs that support the Advanced Manufacturing & Technology Center's commitment to provide industrial/maritime-targeted, high-skilled training to increase and maintain Louisiana's Industrial and Maritime Workforce. The center will produce high quality instructional programs with industry driven curriculum and proven instructional strategies.

5. How has the Center provided and promoted service to the greater community? Describe activities conducted and/or other achievements.

The Center has collaborated with several community based organizations as well as employers to promote technical training programs. The Executive Director of the Advanced Manufacturing & Technology Center is currently serving on a number of committees. He is a Board Member and Co-Chair of the West Bank Industrial Association (WBIA) and its Workforce Education Committee, a member of the Plaquemines

Association of Business and Industry Workforce Education Committee, a member of Jefferson Economic Development Commission's (JEDCO) Master Plan Development Committee, and a member of GNO Inc.'s Advanced Manufacturing Partnership (AMP). Lastly, we have engaged employer partners through our Advanced Manufacturing Industrial Advisory Committee. This committee meets to review technical curriculum, make recommendations and provide insight into industry trends and employment opportunities for our students and has been instrumental in lending to the success of our recent Advanced Manufacturing job fair through their attendance and the information shared with attendees.

Members also play an integral role in the success of our annual Technical Skills Expo that hosts over 800 high school students in a two-day event discussing the skills and requirements necessary to work at these facilities. They explain how rewarding working in these technical jobs are and the financial rewards available if you have a good work ethic and have the ambition to work and learn on the job. For the second year, we have collaborated with The Jefferson Parish Economic Development Commission (JEDCO) to participate in their annual Workforce 2.0 event, which targets business owners and hiring managers to connect with training providers to create a pipeline of skilled workers to meet their needs.

We have also trained and certified eight instructors in providing OSHA 10 and OSHA 30 courses. Our craft skill students can now obtain their OSHA 10 certification while progressing through our training programs. This provides the safety awareness needed to complete their training programs and provides them with another industry-based credential (IBC) to add to their portfolios when seeking employment. Most industries now

require their new employees to complete an OSHA 10 training upon hiring in their company.

In service to the community, the Center will also provide OSHA 10 and OSHA 30 workshops to our industry partners and community members as needed. We are continuing to provide our Welding Upgrade training to our industry partners and community members on Saturdays. This program allows semi-skilled individuals to improve and expand their welding skills so they may obtain employment, a higher paying job, or advancement in their company. So far, we have had 202 students register for this program and 177 (or 88%) of students have completed. Some of our industry partners have mentioned they have seen tremendous improvement in the welding skills of their employees who have attended this program. We are experiencing an increased amount of individuals enrolling in this program upon their employer's request.

6. How do the Center's education and training efforts further the economic development and workforce needs of the state?
How will its programs address current and projected workforce needs and/or contribute to economic development?

The focus of the Advanced Manufacturing and Technology Center is to provide academic credentials and industry based certifications that are designed to meet the workforce needs of industry. The education and training efforts of the Advanced Manufacturing and Technology Center furthers the economic development and workforce needs of the state because all of the programs offered are aligned with Tier 1, four and five star jobs. Tier 1 jobs are designated by the State of Louisiana as economic driver jobs. The region has seen tremendous plant expansions and the need for qualified craft workers has increased. Just as there is a critical shortage of workers, there are also incumbent workers needing to enhance their current knowledge and skills due to

changing industry requirements, technology, or standards. As a result, many of these individuals do not possess the skills required to be productive employees in this ever-changing industry. Delgado Community College and the Advanced Manufacturing and Technology Center strengthens the state's ability to prepare students with the skills and competencies needed to fill the high demand jobs. Since 2013, Delgado students have earned 4,206 NCCER credentials.

7. Provide specific evidence of collaboration with other entities: postsecondary institutions and/or industry/private sector – and how it has contributed to furthering the impact of the Center.

K-12

The Delgado Community College and the Advanced Manufacturing & Technology Center hosts a technical skills expo annually with more than 800 high school students attending a two-day event that exposes them to advanced manufacturing and technology related careers. The participating High School Parishes are St. Charles, Jefferson and Orleans. This expo has been offered in partnerships with GNO, Inc., Chevron, Shell Oil, Phillips 66, Laitram, Cajun Industries, ISC Constructors LLC, Cornerstone Chemical, and Turner Industries, to name a few.

Industry

- **Chevron Corporation** is an American multinational energy corporation who sponsored the FabLab as well as sponsor our Technical Skills Expo. The Center staff worked with Chevron to develop a Fab Lab that is now located on Delgado's City Park campus. This is the first of its kind in the state of Louisiana. The FabLab NOLA at Delgado Community College is available to K-12 and college students, small businesses and entrepreneurs, and other members of the community. The

FabLab provides a unique makerspace for exploration and creation for community learners and small businesses that are interested in digital fabrication, with a focus on those with limited exposure and access to manufacturing, design tools, and technology. FabLab NOLA at Delgado Community College is intended for use by students, small businesses and entrepreneurs, and other members of the community. FabLab NOLA has laser cutters, CNC routers, a vinyl cutter, 3D printers, and a computer lab located in on the Delgado City Park Campus.

- **Shell Oil Company** is one of the largest oil companies in the world who has sponsored our Technical Skills Expo
- **Phillips 66 Company** is an American multinational energy company that was part of the curriculum development team for the Industrial Maintenance program
- **Laitram** and its four operating divisions (Laitram Machinery, Intralox, Lapeyre Stair, and Laitram Machine Shop) have revolutionized the manufacturing landscape in South Louisiana and around the world; Laitram has partnered with Delgado in an internship program and helped develop curriculum for the industrial maintenance program
- **Monsanto Company** is an American agrochemical and agricultural biotechnology corporation. We are currently working with Monsanto Company to provide Industrial Maintenance Electrical & Instrumentation training for their employees. Monsanto will provide their own instructor to train them at our Center. Delgado certified the Monsanto trainer as an NCCER Master Trainer so the company can provide NCCER credentials to their employees upon completion.
- **Cajun Industries** a nationally recognized construction leader providing fully

integrated self-performed EPC (Engineering, Procurement and Construction) services to some of the largest and most renowned companies in the world

- **ISC Constructors LLC** is among the Largest Industrial Electrical, Instrumentation & Controls contractors in The United States
- **Cornerstone Chemical** manufactures high quality products shipped around the globe, including acrylonitrile, melamine and sulfuric acid/oleum
- **Turner Industries** is a single vendor solution in heavy industrial construction, pipe, module and vessel fabrication, equipment, rigging and heavy hauling, to name a few.
- **Textron Marine & Land Systems**

Through collaboration with Textron Marine & Land Systems, we developed a customized Aluminum Welding Training program for Textron's employees. The Advanced Manufacturing & Technology Center trained fifteen Textron Employees. All fifteen successfully passed their aluminum welding assessment at Textron. We are continuing to work with Textron to provide aluminum welding training to more of their employees as well as offering this same training to potential employees that successfully pass this course.

Private Sector

- **GNO, Inc.** is a regional economic development alliance serving the 10-parish region of Southeast Louisiana and they provide and support networking and informational pipeline to Delgado and industry
- **Sewerage and Water Board of New Orleans**

Delgado was awarded funding through the GE Foundation to support the development of an advanced manufacturing and water management program. The program supports Delgado's ongoing efforts to train water infrastructure personnel, helping to fill critical infrastructure jobs by connecting job seekers to opportunities at the Sewerage and Water Board of New Orleans (SWBNO). Our Advanced Manufacturing & Technology Center team worked with SWBNO to develop training skills and assessments to provide new and existing employees advancement levels and/or training levels to obtain advancement in SWBNO's Maintenance Division. Targeted skill areas covered were Welding, Electrical, and Precision Machining and were approved by The Civil Service Commission.

Through this partnership, Delgado was also able to develop the following training programs within the Water and Wastewater Technology Department. These programs earned students a Technical Competency Area (TCA) however, Delgado will be changing them to the new Certified Technical Competency (CTC).

- Water Production Operator
 - Water Treatment Operator
 - Water Distribution Operator
 - Water Collection Operator
 - Wastewater Treatment Operator
-
- **St. Charles Parish Department of Public Works**

We have collaborated with St. Charles Parish Department of Public Works to train 15 of their employees in NCCER Millwright Training. This program has been very

successful and there is a potential of training another 60 of their employees.

Successful completers will receive NCCER Core, NCCER Millwright Levels 1 & 2, and OSHA 10 credentials. They will then move into upper levels of the NCCER Millwright curriculum.

- **Entergy**

We have recently collaborated with Entergy and Fletcher Technical Community College (FTCC) to develop a customized Lineman Workers Training Program.

Successful completers earn NCCER credentials and are able to interview for employment at Entergy and other utility companies in the region. Training offered at Delgado Community College is in the evenings and FTCC offers daytime courses. The first Delgado cohort successfully completed 14 students and the second cohort has 15 students participating. A waiting list of over 75 individuals are waiting to apply and enroll into this program.

- **Rapid Response Skilled Labor Training**

Louisiana's Workforce Investment Council Board commissioned a construction skilled craft study. The primary findings of that study revealed a significant and critical skills gap in skilled labor in the construction and advanced manufacturing sectors. Delgado received funding to provide accelerated non-credit workforce skilled labor training to address the need to develop a skilled workforce in high demand occupations in the skills gap that was identified. Delgado's Advanced Manufacturing & Technology Center alone has been awarded a total of \$800,000 to provide craft skilled training to our region in welding, pipefitting, millwright, industrial maintenance, and OSHA 10 & 30.

- **Hispanic Chamber of Commerce of Louisiana**

Through collaboration with the Hispanic Chamber, we developed a Hispanic Welding Program. This program provides training opportunities for individuals who have little or no English speaking skills. The program provided combined welding training skills and ESL instruction simultaneously, in a team-teaching" method, to increase their employment opportunities upon completion of the program. We offered 2 cohorts so far of this training and 29 students successfully completed. Employment opportunity data is not available at this time however, we have received positive comments from the Hispanic Chamber of Commerce asking if we were going to offer more courses.

- **Manufacturing Extension Partnership of Louisiana (MEPOL)**

We have collaborated with MEPOL to assist in providing an extended reach to regional industry partners and to build strong, positive working relationships with our regions manufacturing sector.

Postsecondary

- **River Parish Community College**

Delgado has an MOU with River Parish Community College to provide NCCER Industrial Maintenance Mechanic training at River Parish CC.

- **Fletcher Technical Community College and Northshore Technical Community College (NTCC)**

FTCC and NTCC will collaborate with Delgado to provide a Marine Diesel training program utilizing our new state-of-the-art marine diesel training lab located at our new River City Site.

Academic Productivity.

8. Number of Enrollments (majors, in most recent Term) and Completers (sum of AY graduates) for each relevant program, up to five years. (Duplicate the table, as needed.)

Program: Computer Aided Design & Drafting					
Fall Term	2015	2016	2017	20__	20__
# of MAJORS	83	47	59		
Spring Term	2015	2016	2017	20__	20__
# of MAJORS	173	110	59		
COMPLETERS	2015-2016	2016-2017	2017-2018		
Computer Aided Design & Drafting, AAS	22	18	9		
Computer Aided Design & Drafting, CTS	14	26	20		

Program: Electrician: Commercial					
Fall Term	2015	2016	2017	20__	20__
# of MAJORS	36	34	25		
Spring Term	2015	2016	2017	20__	20__
# of MAJORS	27	39	30		
COMPLETERS	2015-2016	2016-2017	2017-2018		
Electrician: Commercial, CTS	19	21	21		

Program: Electrician: Industrial					
Fall Term	2015	2016	2017	20__	20__
# of MAJORS	18	16	8		
Spring Term	2015	2016	2017	20__	20__
# of MAJORS	15	15	11		
COMPLETERS	2015-2016	2016-2017	2017-2018		
Electrician: Industrial, CTS	3	0	6		

Program: Electrical-Electronics Engineering Technology					
Fall Term	2015	2016	2017	20__	20__
# of MAJORS	196	200	165		
Spring Term	2015	2016	2017	20__	20__
# of MAJORS	188	181	167		
COMPLETERS	2015-2016	2016-2017	2017-2018		
Electrical-Electronics Engineering Technology, AS	10	13	9		

Program: Electronics Service Technology					
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Fall Term	2015	2016	2017	20__	20__
# of MAJORS	51	46	35		
Spring Term	2015	2016	2017	20__	20__
# of MAJORS	65	50	35		
COMPLETERS	2015-2016	2016-2017	2017-2018		
Electronics Service Technology, AAS	7	9	7		

Program: Industrial Maintenance Technology					
Fall Term	2015	2016	2017	20__	20__
# of MAJORS	4	4	3		
Spring Term	2015	2016	2017	20__	20__
# of MAJORS	4	10	5		
COMPLETERS	2015-2016	2016-2017	2017-2018		
Industrial Maintenance Technology, CTS	N/A	N/A	0		

Program: Logistics Technology					
Fall Term	2015	2016	2017	20__	20__
# of MAJORS	7	4	4		
Spring Term	2015	2016	2017	20__	20__
# of MAJORS	5	5	5		
COMPLETERS	2015-2016	2016-2017	2017-2018		
Logistics Technology, CTS	6	4	2		

Program: Precision Machining					
Fall Term	2015	2016	2017	20__	20__
# of MAJORS	27	20	7		
Spring Term	2015	2016	2017	20__	20__
# of MAJORS	12	28	14		
COMPLETERS	2015-2016	2016-2017	2017-2018		
Machine Tool Technology: CNC Operator, CTS	1	0	0		
Machine Tool Technology: Lathe Operator, CTS	0	0	0		
Machine Tool Technology: Mill Operator, CTS	0	0	0		
Precision Machining, CTS	0	2			

Program: Welding: SMAW, FCAW-GMAW, and GTAW					
Fall Term	2015	2016	2017	20__	20__

# of MAJORS	104	100	94		
Spring Term	2015	2016	2017	20__	20__
# of MAJORS	107	102	107		
COMPLETERS	2015-2016	2016-2017	2017-2018		
Welding: SMAW, CTS	14	15	13		
Welding: GTAW, CTS	5	14	8		
Welding: FCAW-GMAW, CTS	5	15	5		

INDUSTRY BASED CREDENTIALS EARNED

	2016	2017	2018 (Through 10/31/18)		
NCCER Core	159	179	203		
Construction Site Safety Orientation	86	157	165		
NCCER Electrical 1	33	33	49		
NCCER Electrical 2	25		20		
NCCER Electrical 3			5		
NCCER Industrial Maintenance 1	11	40			
NCCER Industrial Maintenance 2	7				
NCCER Industrial Maintenance E & I Tech. Level 1		20			
NCCER Millwright Level 1		7	13		
NCCER Millwright Level 2		7			
NCCER Millwright Level 3		5			
NCCER Pipefitting Level 1	28	36	11		
NCCER Pipefitting Level 2	24	40			
NCCER Welding Level 1	13	24			
NCCER Welding Level 2	9				
NCCER AWS SENSE EG2.0 Compliant	20				
AWS SMAW Fillet Weld		11			
AWS FCAW Fillet Weld					
AWS GMAW Fillet Weld					
OSHA 10		29	38		
Total	432	588	509		

Workforce Placements or Continued Education.

9. Placement of graduates? Include pay range, if known; and comparison to other programs.

This information is not available at this time.

Employer Satisfaction.

10. Employer satisfaction data? What evidence do you have that graduates are meeting employer needs and expectations.

Delgado Community College is currently implementing a tracking system to routinely monitor employer satisfaction of its Alumni.

Advisory Board.

11. Describe the composition and activities of the advisory board.

The Industry Advisory Council (IAC) is comprised of professionals from the skilled craft and advanced manufacturing industries as well as faculty and staff at Delgado Community College. IAC members include representatives from Textron, Monsanto, IGP, Laitram, Cajun Industries, Chevron, Phillips 66, Cornerstone Chemical, ISC Contractors, and Turner Industries.

The advisory committee meets quarterly to review curricula, tour our facility, and look at our training equipment to ensure we are providing training that is aligned with industry processes and standards. We always welcome our advisory committee members and our industry partners to visit us anytime, talk to our students, and provide any feedback to help us maintain a high quality of training for our students.

Faculty & Administration

12. Attach list of core leadership and faculty/staff, highlighting any changes since the last report/proposal.

Please see attached document. Appendix A

Budget

13. Attach a report of the Center's actual budget over the last year and a projected four-year budget, including sources and amounts of funding/revenue and expenditures. (See document on next page)

Please see attached document. Appendix B

Letters of Support

14. Attach any letters of support from business/community members for continued designation as a Center of Workforce Education/Training.

Please see attached letters of support. Appendix C

Please accept this progress report as a request for continued designation as a Center.

CERTIFICATIONS:

Andrew Williams
Primary Administrator for Center

Date

11/26/18

Alison
Provost/Chief Academic Officer

Date

11-26-2018

Management Board/System Office

Date

Faculty and Administration

Faculty and Administration

Dr. William Wainwright	Interim Chancellor
Dr. Mostofa Sarwar	Interim Vice Chancellor for Academic Affairs and College Provost
Arianda Williams	Vice Chancellor of Workforce Development and Technical Education
Rick Schwab	Interim Executive Director, Advanced Manufacturing & Technology Center
Alcindo Frye	Senior Administrative Coordinator, Advanced Manufacturing & Technology Center
Patricia Marshall	Program Coordinator, Advanced Manufacturing & Technology Center
TBD (Hiring process)	NCCER Specialist, Advanced Manufacturing & Technology Center
Randy Leggett	Pipefitting Instructor (New)
Lloyd Norton	Millwright Instructor (New)
Carey Johnson	Welding Instructor
Sergio Rodriguez	Welding Instructor
Reginald Lumar	Welding Instructor/Lab Assistant
Jerry Kaywood	Electrical Instructor
Francisco Blanco	Electrical Instructor
Nathaniel Stewart	OSHA 10 & 30 Instructor

Budget

Workforce Development Technical Education
U.S. Navy Grant Budget
Estimate: \$2,533,000 as of Sept 30, 2018

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Letters of Support



Jeff DiMare
2018 Chairman

October 23, 2018

Robert L. Thomas
Executive Director

Michael Van Haverbeke
Immediate Past Chairman
Michelle Morbert
Chairwoman-Elect
Tim Schorsch
First Vice-Chairman
Ed Cammaro
Secretary & Treasurer

Mr. Ed VanAvery
Executive Director
Advanced Manufacturing & Technology Center
Delgado Community College
Workforce Development & Technical Education
709 Churchill Parkway Avondale, LA 70094

Board Members

Greg Abdelmoor
Dante Amadori
Dale Bonach
Michelle Bink
Jacob Boud
Robin Haverbeke
Smart Gatz, Jr., DOB
Paul Mathews
Frank Morris
George Pruch, II
Tim Schorsch
Al Vidrine
Shannon Vagi
Phil West

Subject: Letter of Continued Support - River City Advanced Manufacturing & Technology Center

Mr. VanAvery,

The Plaquemines Association of Business & Industry (PABI) is pleased to support your continued proposal for The River City Advanced Manufacturing & Technology Center. PABI is committed to supporting your center and anticipates sponsoring and participating in future collaborative efforts focused on workforce development.

PABI was formed in June of 2004 by a group of business owners who recognized the need for the business community to have an active voice in Plaquemines Parish. PABI provides private sector leadership and works for the business community to enhance the economic, civic and cultural environment and to advance the quality of life in Plaquemines Parish.

Community Representative
Bruce Keller

The proposed River City Advanced Manufacturing & Technology Center is a great model of a collaborative environment focused on the development and long-term employment of highly skilled workers in Louisiana.

PABI leadership and partners are excited about the opportunity to continue to support you and your team on this proposal and its potential for the Louisiana industrial base at large. Please direct any questions to Greg Abdelmoor, Chairman of the PABI Education/Workforce Committee (504-391-6336) or Bobby Thomas, PABI Executive Director (504-393-2999).

Sincerely,

Jeff DiMare, 2018 Chairman

8207-A Hwy. 23, P.O. Box 908, Belle Chasse, Louisiana 70037 • (504) 393-2999

WWW.PABIGROUP.COM

COOPERATION

Corvus Group
Durovac Systems, Inc.
West Port Concrete
Western Concrete LLC

SUPPORT SPONSORS

Advanced Business Systems, LLC
Barron Development Services, LLC
Barron Development Services, LLC
Barron Development Services, LLC
Barron Development Services, LLC
Barron Development Services, LLC
Barron Development Services, LLC
Barron Development Services, LLC
Barron Development Services, LLC
Barron Development Services, LLC

MEMBER SPONSORS

Advanced Business Systems, LLC
Barron Development Services, LLC
Barron Development Services, LLC
Barron Development Services, LLC
Barron Development Services, LLC
Barron Development Services, LLC
Barron Development Services, LLC
Barron Development Services, LLC
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Advanced Business Systems, LLC
Barron Development Services, LLC
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Barron Development Services, LLC

Advanced Business Systems, LLC
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JEDCO

October 5, 2018

Jefferson Parish Economic Development Commission

Mr. Ed VanAvery Executive
Director
Advanced Manufacturing & Technology Center Delgado
Community College
Workforce Development & Technical Education 709
Churchill Parkway
Avondale, LA 70094

Subject: Letter of Continued Support
River City Advanced Manufacturing & Technology Center Dear

Mr. VanAvery,

JEDCO is pleased to support your continued proposal for The River City Advanced Manufacturing & Technology Center. JEDCO is committed to supporting your center and anticipates sponsoring and participating in future collaborative efforts focused on workforce development.

The Jefferson Parish Economic Development Commission (JEDCO) is an independent, yet complementary arm of Jefferson Parish government with the main objective of attracting, growing and creating new business in our area. JEDCO's mission is to proactively influence the economy through the retention and creation of quality jobs, entrepreneurship and investment in Jefferson Parish.

The proposed River City Advanced Manufacturing & Technology Center is a great model of a collaborative environment focused on the development and long-term employment of highly skilled workers in Louisiana.

JEDCO leadership and partners are excited about the opportunity to continue to support you and your team on this proposal and its potential for the Louisiana industrial base at large. Please direct any questions to Jerry Bologna.

Sincerely,

Jerry Bologna President &
CEO

700 Churchill Parkway • Avondale LA 70094 • 504 875.3908 • FAX 504 875 3923 • www.jedco.org
JEDCO is an Internationally Accredited Economic Development Organization

Template – Continued Designation, Center of Workforce Education/Training

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October 12, 2018

Mr. Ed VanAvery
Executive Director
Delgado Community College
Workforce Development & Technical Education
709 Churchill Parkway Avondale, LA 70094

Subject: River City Advanced Manufacturing & Technology Center

Mr. VanAvery,

Westbank Business & Industry Association (WBIA) is pleased to support Delgado's River City Advanced Manufacturing & Technology Center. WBIA is committed to supporting your center and anticipates sponsoring and participating in future collaborative efforts focused on workforce development.

Workforce development, specifically skilled trades, continues to be a priority for WBIA. The proposed River City Advanced Manufacturing & Technology Center is a great model of a collaborative campus focused on the development and long-term employment of highly skilled workers in Louisiana.

WBIA leadership and members are excited about the opportunity to continue to support you and your team. Delgado is now in a position to take the lead in providing skilled workers to the Louisiana industrial base at large. Our hope is to have dual enrollment programs available at the River City campus to all high school students in the near future, in order to fill the high demand for technicians and high-skilled certified workers (IBC) that our state needs.

Please direct any questions to myself or Lisa Jennings, Executive Director.

Sincerely,

Charlie Frederick
WBIA President



October 18, 2018

Mr. Ed VanAvery
Executive Director
Advanced Manufacturing & Technology Center
Delgado Community College
Workforce Development & Technical Education
709 Churchill Parkway Avondale, LA 70094

Subject: Letter of Continued Support - River City Advanced Manufacturing & Technology Center

Mr. VanAvery,

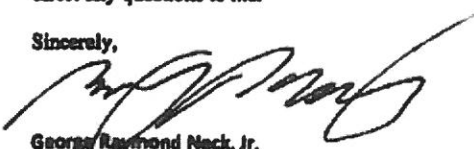
Turner Industries Group, LLC is pleased to support your continued proposal for The River City Advanced Manufacturing & Technology Center. Turner is committed to supporting your center and anticipates sponsoring and participating in future collaborative efforts focused on workforce development.

Turner Industries employees build, maintain and service the nation's heavy industrial sector helping make the life we live possible by supporting the companies that produce fuel, energy, and products essential to our daily existence. Since 1961, Turner has steadily worked to provide one solution for our clients success. To do this we find, develop and support the very best people for the jobs we perform throughout our four divisions: Construction; Maintenance and Turnarounds; Fabrication; and Equipment and Specialty Services.

The proposed River City Advanced Manufacturing & Technology Center is a great model of a collaborative environment focused on the development and long-term employment of highly skilled workers in Louisiana.

Turner's leadership and partners are excited about the opportunity to continue to support you and your team on this proposal and its potential for the Louisiana industrial base at large. Please direct any questions to me.

Sincerely,



George Raymond Neck, Jr.
Workforce Development Director
Turner Industries Group, LLC
215 Highlandia, Baton Rouge, LA 70810
800-825-0694