

Recipient: Front Range Community College

Grant Number: TC-24976-13-60-A-8

Quarter Ending: 09/30/2016

**Quarterly Narrative Progress Report
Trade Adjustment Assistance Community College and Career Training
(TAACCCT) Grants**

Project Name:

Colorado Helps Advanced Manufacturing Program

Grant Number:

TC-24976-13-60-A-8

Award Year:

2013

Report Quarter Ending:

09/30/2016

Date of Submission:

11/08/2016

First Name:

Marilyn

Last Name:

Smith

Title:

Grants Coordinator

Street Address:

9101 East Lowry Blvd

City:

Denver

State:

Colorado

Zip Code:

80230

Phone Number:

7208582328

Extension

Email Address:

marilyn.smith@cccs.edu

A. Annual Summary for Grant Activities

EGTC collaborated with resources (Recruiting, Advising, Marketing, Faculty SME's) and CCD, MSUD, CAMA, Manufacturer's Edge, DPS CareerConnect and ACE Connect, and Senator Bennet's office to build sustainable Mfg Day Campus tour. Worked with DenverWorks to refer TAA-like prospects to EGTC Trades programs. PPCC took delivery of 3 vertical mills, 1 3-axis mill & 5 CNC lathes. Staff completed NIMS consultation visit and visited Lockheed Martin. Placed 2 more students in part-time jobs. Student success video production begun. RRCC submitted CHAMP curriculum to OER. They are transitioning Navigator activities to 2 staff members. Performance outcomes and projections updated and aligned with CCCS data. Budget modification was approved. Aims Industrial Tech program offered 1 week full-time PLC course (concentrated); they will advertise and offer again. Navigator and Project Director received Career Pathways Leadership Certification. PMT enrollment at FRCC hit an all-time high with 26 CR students this fall. Developed a 2nd cohort. First student transferred to CCD to pursue AAS in Machining. One student earned NIMS Certificate of Merit for completing 8 Level 1 certificates. Employer Outreach Coordinator position has been adopted and duties expanded by the college as a full-time sustainable position. MSUD working with CCCS on digital badges and blended CHAMP related courses/certs. New articulation agreement with RRCC is in process. 2nd annual Tri-Campus

MFG Day Tour and Expo with CCD and EGTC was successful. MSU Denver team met with TEC-P to discuss how qualified students can get grants to pay for certificates or degrees. PCC completed upload to SkillCommons. 2 students in WBL. Prod Tech cert approved. Secured matching funds for COSI scholarships. Extended contract with WFC at no cost. Received TAA status for apprentices. PLA approved for apprentices and Oliver Mfg welding. List for auto-confer certs for students 2014-2016. LCC offered welding classes in all three certificates, highest enrollments ever. LCC placing graduates along the Front Range. LCC continues to improve outcomes in courses. CCD focused on grant deliverables, building partnerships with industry, and refining key components of curriculum. Three machining instructors were credentialed in NIMS; one instructor was AWS certified as an CWE. Enrollment increased 22% fall semester. Stronger relationships with the Chamber and OED were solidified.

B. Status Update on Leveraged Resources

Provide an update on the organizations that contributed the resources:

PPCC considering adding to Advisory Board to broaden outreach. 5 companies supported Oct 26 Mfg. RRCC employers emailing jobs to EGT, sent to students. FRCC Ball Aero gave \$30k in scholarships. Nordson Med \$6,000 to buy 3 Haas CNC simulators. Haas Automation a CNC simulator. Hirsch \$1,068 in aluminum and stainless steel. LCC Oliver Mfg gave 450-500 lbs carbon steel, aluminum and stainless steel. CCD AME Inc gave steel for welding. APICS hosted Supply Chain Mgt course in AMC. RK, McSquares, Ball, and Be9Sigma donated money for CO Mfg Day. At EGTC, Santiago committed in-kind support Mfg Day tour; donor awarded \$2500 to Welding student for Entrepreneurship class facilitated by Dean Bevis.

Provide an update on the ways in which the resources were used during the current quarter:

PPCC interns produce student success videos. RRCC EGT students use 3D printers in CAD 101/102/202. Aims accelerated PLC course for city and incumbent workers. FRCC Scholarships increase numbers. Simulators improve learning, reducing wait time. Materials offset budget so grant funds used for other purposes. LCC Welding students use metal for practice. CCD Resources secured NIMS 5-day training and AWS Sense for students. SMEs and ID's contributed to course dev. Outreach included participation in MMP sector partnership and employer tours. EGTC in-kind product promotes pathways thru EGTC CCD MSU for Adv Mfg on Oct 7 tour.

Comments:

Colleges are using resources to improve the learning experience for students. The material donations that allow students more practice in welding and the additional machines that allow students more time on the machines improves the learning of the students. These donations then help the colleges meet the needs of industry and employers by providing more skilled and more experienced workers.

During this quarter, did you receive any additional leveraged resources beyond what is listed in your statement of work?

Yes

C. Status Update on Employer(s) Involvement

Discuss how the required employer(s) has been involved during the current phase of the project.

PPCC Relius Med provided employees for videos; supplemented training prg; JPM hosted CAMA kickoff. RRCC employers visit EGT. Aims FR CAD and Aqua Hot offered internships. DLR Arc and CO811 provide speakers on field safety. FRCC Mtn Med and St Vrain inspected student NIMS projects. MSUD IAB help w/ Made In CO. PCC had 2 WBL placements. LCC offered interviews. CCD GeoTech hosted tour. Alfred Mfg introduced NAMJet, input on QA, enrolled workers in MAC

Outline specific roles and contributions of the employer(s) during this quarter.

EGTC employers for Internships, Jobs, Advisory Com. PPCC Titan employed students. Support for mfg mixer. RRCC Barber, Accu-Prec, Coors and CoorsTech hired MAC students. In Sept, Precise Cast & PRESCIENTÂ® recruited. Aims Burris, Big R Bridges, Vestas, and Owens gave Mfg Day tours. FRCC Ball hosted 30 manufacturers to discuss PMT sustainability and mfg. PCC Vestas took 2 WBL students. CCD BNSF sends incumbent workers for training. RK provided tour. Intertech discussed options for employees.

Identify any challenges encountered/resolved in the development and management of the employer involvement.

EGTC developed transition plan to meet goals of grant even though CHAMP Manager work stopped as of Sept 2016. PPCC coordinated with Workforce Dev to secure Relius training . PL is working with employers to meet internship needs even though grant funding was all expended. RRCC found fewer employers hiring MAC students this summer than in past. CCD roles have become well defined; coordination is more effective when engaging employers. Organizing employer interest is better, mobilizing is next.

Discuss new employers and commitments that may have been added to support the project.

EGTC Reyco Prec, Mac C&C Welding, Prescient, Universal Forest, Pipefitter Local 208 & Warrior Woman jobs and Adv Com. PPCC Titan Rob employed students, will attend Mfg Mixer.

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Los Alamos has students, supports mixer. RRCC Cutter Ind supports MAC program. Aims Owens-III, Wellsite, Naill, Bonanza Crk, Nordson Med, Infusion Arct, Growling Bear, DLR, and Rocky Mtn on Adv Com and offer internships. PCC Singleton included in WBL. CCD RK, NAMJet, Prescient, Pelsue, Q3 Contractors and Frazier hiring

Comments:

CHAMP partners are building relationships with employers. They are intentionally creating environments where employers can see students doing work—inviting them to classrooms, to presentations of student projects, and to interviews. These experiences allow students to hear what employers need in the industry directly from the employers. Work based learning experiences like internships, apprenticeship job shadowing are growing at all the colleges to meet the needs of the industry partners.

Have you had any consultation or advisory meetings with business or employer partners during this quarter?

Yes

Were there any direct hires of program of study completers by employer partners during this quarter?

Yes

Were internships or other work-based learning opportunities posted during this quarter?

Yes

Did you acquire any additional employer partners during this quarter?

Yes

D. Timeline for Grant Activities and Deliverables

General Comments:

PPCC secured equipment. Prepared for NIMS accreditation: partnerships, site visits, soft skills. Vet outreach continues. RRCC transitioned Nav tasks. Data analysis aligned with CCCS. Aims Eaton Lib wants outreach on CAD/3D printing for patrons. FRCC CCCS employment survey sent. Prog Dir. and faculty won simulator at Haas Educators conferment. Faculty work with CareerWise CO evaluating inclusion of MSSC Mfg Skills Standards Council into program and developing standards for pre-apprenticeship. PMT grant, first FRCC program to combine credit/noncredit. PMT achieved high enrollment, encouraging other programs. Employer Outreach Coor changed to Adv Mfg Program Coor to provide services for mfg programs. FRCC is DOL Apprenticeship Leader, joining DOL Reg Apprent College Con. PCC working with Evraz to finalize PLA for apprentices. Recruiting for Prod Tech. Worked with Deans to determine next steps for PLA and campus specialist. Planned Mfg Day events. Requested matching COSI dollars. Planned Mfg Day celebration for employers. Layoffs at Evraz resulted in student in ELT program. Validated PLA credits for nc courses. Used IR data for training/cert matrix. Trained PLA team on deciphering JST. Determined placement rate for CHAMP WEL students is 72%. LCC started semester offering classes in all certs, improving course outcomes. CCD SMEs and ID in EGT completed courses.

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MAC SME aligning content with equipment. Instructors were NIMS Level 1 certified; NIMS student lab started. Program outreach conducted. WEL, MAC and EGT courses full. Collaborate on MFG Day with EGTC, MSUD, OED, DPS, CAMA and Manufacturer's Edge. PLA Com started local review of policies/procedures. Introduced student supports at AMC. Conducted vet event. Partnered with WIOA Title II to co-enroll students in mfg programs/GED.

How many programs are you planning to offer?

9

As of this quarter, how many programs have you launched to date?

9

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F. Key Issues and Technical Assistance Needs

Title	Description
Tracking Employment/Wage Data	EGTC has had inaccurate reporting of outcomes of career placements and wage increases. EGTC semester ends at different times than other CHAMP institutions. CCCS worked with EGTC to ensure that all participants are captured. In addition, 1/2 EGTC students do not report social security numbers at point of enrollment so career placements/wage increases will be under reported by pulling from UI data relying on social security numbers. CCCS added employment survey to help capture more data.
Tracking Employment Data	For CCD tracking accurate employment and TAA-like data at the local level continues to be a challenge. The team is working within the limitations of our Banner system and VE-135 alumni employment survey data. CCD continues to work on refining these systems for more accurate reporting, and the system office supports the data with a UI data match.

G. Best Practices, Promising New Strategies and Success Stories

Best Practices and Promising New Strategies

1 Manufacturing Day

EGTC continued collaboration with CCD, MSU, Denver, OED, CAMA, Manufacturer's Edge and Governor and Senator(s) offices for Manufacturing Day events, including the tri-campus tour and Manufacturing Expo. These events showcase the programs to potential students and to employers but they also highlight the partnerships of the colleges

2 MSUD Success with CHAMP

CHAMP has shaped decisions that MSUD has made for its program. MSUD hosted consultant visit for PLA from ACE to educate and promote college transfer and PLA. CHAMP activities greatly increased enrollment of MET program so a full time MET lab assistant position has been created and is currently in search process. Faculty are developing blended courses for their programs including some MET courses that are not CHAMP related. MSUD is working with consortium to develop more articulation agreements

3 PLA at PCC

PCC has created a team to implement PLA . The Team consists of people from across the college in a variety of roles, including faculty, advisors, support staff, records, and financial aid. The team meets every other week to determine next steps. The team has worked through a process flow,

recommending a specialist on campus. The team also has input on recruiting and marketing for PLA. This team approach will ensure that the progress made with PLA will be sustained at PCC.

4 CCD and TAACCCT

At CCD TAACCCT has ushered in a cultural shift within the institution. Before the grant, CCD's primary focus was as a transfer institution with the majority of efforts and resources supporting a 2+2 model. Since TAACCCT there has been a renewed focus on the value of the CTE education. This has occurred through the acceptance of academic certificates, alignment to industry-based certifications and an emphasis on strong employer engagement and demand-driven career pathways for students.

5 PPCC and Employability Skills

PPCC has made the employability competencies developed in the MOOC part of classroom work in close coordination with the faculty in the hopes of achieving a long-term synergy that will become part of the learning environment. Contextualizing the skills into the course content helps the students see that these skills are as essential to success as the specific career and technical program skills being taught.

Success Stories

1 Policy Initiatives

Since 2013, many CO initiatives have started or expanded: CO Advanced Mfg Alliance (CAMA) programs; Northern Colorado Manufacturing Partnership and Metro Denver Mfg Partnership; legislation that gives financial incentives for mfg employers that hire interns; legislation creating a K-12 mfg pathway; legislation that allows students to apply apprenticeships to credits; Business and Schools in Collaboration (BASIC) a nonprofit formed matching Denver students with apprenticeship opportunities.

2 CCD and Adv Manufacturing Cen

Employers are visiting AMC, providing feedback on technology available for trainings. This equipment and new facility has allowed a new era of industry-college partnership. BNSF selected CCD as their national training provider for incumbent workers. This equates to a stronger role in industry, more sustainable support for CCD mission, and an opportunity for self-generating revenues that can support the institution through booms and busts of the economy and dwindling state support.

3 Aims Community Outreach

CHAMP has given Aims incentive to build facilities to house new equipment and make an effort to expand the equipment and coursework into community. During non-class times, Aims makes lab space and equipment available for a maker's space to encourage entrepreneurship and continual learning. Aims has built strong relationships with Northern CO Mfg Sector Partnership. Members from this partnership have become Advisory members, guest speakers and even have become partners with other CTE programs.

4 RRCC Sustainable Industry Rela

TAACCCT has strengthened relationships with businesses resulting in first right of refusal of RRCC completers when hiring. Many student success efforts of CHAMP will be adopted by program faculty and staff. These efforts will result in strong industry relations, increased industry interest in advisory committees, and a closer network of hiring companies. The last 6 months of grant will create sustainable partnerships between Career Services and all CHAMP program areas and departments.

H. Additional Outcome Information

All CHAMP institutions continue to comment on the incredible impact these dollars have had on their programs of study and on the new ways they have engaged industry and employers. They acknowledge that CHAMP has provided a tangible way to work with employers outside of and in addition to the normal advisory committee role. They have worked with employers to develop workplace based learning experiences that will improve internships, apprenticeships, for example. CHAMP has also opened the doors for direct communication with the local manufacturing partners. These conversations have improved the partnerships.