

Recipient: Front Range Community College

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

Quarter Ending: 12/31/2015

**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:

12/31/2015

Date of Submission:

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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. Quarterly Summary for Grant Activities

EGTC, CCD, MSUD facilitated 3 College Tour for Natl MFG DAY on Oct. 2. CCD and EGTC coordinated articulation agreement for AAS in Fabr Welding. EGTC added CAD/BIM to CHAMP. They attended career fairs and partnered with agencies to assist long-term unemployed. EGTC Foundation & Student Services enhanced career services, including financial literacy (Wells Fargo and Westerra CU collaborated). EGTC collaborating with DenverWorks on RFP for Denver WIOA. Aims working with Mfg Sector Partnership to strengthen relationships and make contacts; attended NoCo Mfg Partnership Networking mtg. RRCC is completing OER course development and ADA requirements. The certificate audit and addition of EGT courses resulted in increase in completers. Navigator began providing career services to EGT students. Student surveys were analyzed to evaluate program format, content, and student satisfaction. PPCC attended SOCOM EXPO Oct 6/7. Automated circuit board production lab is operational; vendor completed training of staff and setup of equipment Oct 15/16. IPC training set for electronics faculty who teach ELT 165 in spring 2016. They hosted a Rutgers evaluation visit Nov 2. MSUD students earned 35 certs with 6 students graduating. They hosted year-end IAB meeting at Lockheed Martin and worked with professors to do field trips at board members facilities. Program was highlighted nationally through a CNBC interview on additive manufacturing certs and jobs opening in field. They had local

coverage through 9 News interview on Advanced Manufacturing program. PCC revised FRCC's MTE110 and finalized Prod Tech details. They showcased online/hybrid opportunities for faculty, developed PLA plans, offered TCI training w/CHEO and completed xwalk for WEL cert to AAS. Prod Tech curriculum was finalized. Staff are revising Career Skills Workshop to make more effective and collaborating with Pueblo Corp. College for Dream Factory proposal. FRCC Navigator and Employer Outreach Coordinator completed CAEL's Career and Education Advising course; course will help college develop PLA plan. 8 students earned total of 18 NIMS credentials; 27 employers provided feedback on the program via survey. Non-credit classes for BNSF Railway started in Dec, providing incumbent workers enhanced skills for positions. LCC offered advanced welding courses for first time. CHAMP team analyzed these courses to identify areas needing revision prior to next offering. LCC piloted class employability scale assessment.

B. Status Update on Leveraged Resources

Provide an update on the organizations that contributed the resources:

Denver OED, Cintas, Hi Plains, Gen Air contributed to EGTC. At RRCC, Faustson Tool and Stacy Machining employees mentored Mach instructors. Workforce Dev paid PPCC SOCOM EXPO fee, focus on placement/recruiting. Gen Air Service/Supply partnered w/ PPCC on space & virtual welding activities. Atlas Pacific provided PCC welding dept stainless steel. At FRCC, Mount Med, Custom Microwave, Trelleborg, Woodward, Accu-Precision, and Windsor Forest Pros visited classes to motivate students. Mount Med, Zimmerman Mtls, Allied Power, Vertix Builders, Beaudin Ganze Consulting Eng, H&L Arch, BNSF, JP Morgan-Chase, and Spacecon Spec Cont contributed to CCD. Dragon Manu donated steel to LCC welding prog.

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

EGTC donors provided food and resources for prospective students at 3 College tour; safety equip donated to prog. Inspection equip integrated into day prog at RRCC. Haas CNC Mill mach center installed, used by students. PCC donated stainless steel used for welding projects. Due to increased enrollment, FRCC installed 4 additional drill presses and 4 additional 3D printers. Particle Measurement Sys donated \$8 k in machine tooling. Wheels Mfg. donated \$20 k in scholarship grant. CCD donations of materials for programs went to student projects. Donations of time/materials used to build classrooms; some donations used for adjunct salaries. Steel donated by Dragon Manu used in LCC welding labs.

Comments:

All colleges in CHAMP networking with employers to ensure programs meet the needs of industry and using donated resources to improve programs and students services.

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

No

C. Status Update on Employer(s) Involvement

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

Employers at 9 CHAMP colleges have mentored students, provided professional dev for college fac/staff, hosted company tours, provided help with job search, and provided additional supplies. EGTC: mentoring. Aims: Big R Bridge/Burriss Optics tours. RRCC: student internships. PPCC: skills gap. MSUD: Co-op/Internships. PCC Hires 2. FRCC Mtnd Med, St. Vrain Manu, Woodward, Moyer Mch, and Nordson Med interviewed by H. McKay(3rd Pty Eval). CCD non-crd BNSF classes began Dec. LCC: workplace readiness.

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

EGTC employers posted jobs, hosted tours of mfg facilities, and gave curric input, supplies and safety eqpmnt. RRCC employers preparing internships. PPCC leading mfg jobs committee; PM on SOCOM jobs cmt/skills gap panel; are primary contact for mchg employment. MSUD employers supplied Co-Op/Intnshp positions. PCC employers reviewed Prod Tech curric. Vestas and Liberty Rail hire students. FRCC Whip Mix and Moyer Mch reps on 2016 NIMS accreditation Self-Eval. BNSF donated to CCD welding program.

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

EGTC new campus has capacity/amenities to host employer mtgs. RRCC internships will be electives in new program; working to offer internships at Spring Break to reduce interference w/ classes. MSUD resolved issue with students collecting certs and putting in system. PCC feedback on failed interviews difficult to get for students. CCD employers want their employees teaching classes and assisting in course devel, but employees not available because working extended hours to meet customer needs.

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

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EGTC: JRButler, Intermtn Elct. PPCC company visits creating opportunities through informal partnerships: internships, tailored courses, job opportunities for students, material donations. MSUD: Never Summer Snowboards, New Tech Machinery, and Ball Aerospace. PCC Trane committed to workplace learning. At FRCC Tom Hennings of Tenere joined the Advisory Board. CCD Spacecon Specialty Contractors provided resources for classroom development, will hire welding graduates and provide OSHA instructor.

Comments:

CHAMP colleges are engaging with employers specifically around job placement for program participants through career fairs with industry partners, tours of industry facilities, mentoring of college faculty and staff by industry representatives, and consultation with industry partners on employability skills. Colleges are engaging intentionally with sector partnerships, for example Aims participated in NoCo Mfg Partnership Networking mtg.

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:

EGTC, CCD and MSUD collaborated on MFG Day campus tour Oct 2, stressing credit transfer. CCD and EGTC coordinated articulation agreement for AAS in Fabrication Welding. EGTC added CAD BIM (Fall 2015) and Adv Mfg (Spring 2016) as CHAMP programs. Expanded OER curriculum development for 12 Welding courses, CAD BIM & Advanced Mfg. RRCC Navigator visited classrooms to discuss career options and assist with resume development. Staff met with CTE Director to improve enrollment, eg. Non-Crdt offerings. EGT integration increased performance outcomes. RRCC data analysis aligns with CCCS to ensure valid internal and external reporting. Two additional adjuncts allow PPCC to conduct company based skills training for manufacturers; are discussing manufacturers' needs during site visits. PPCC will use adjuncts through month 42 of the grant to maximize student completions. PPCC increasing outreach to vets: Feb Military Vet and Spouse meeting to allow service partners to see mfg training capability and hosting Military and Vet Programs Office and Ft Carson Ed Cnt for tours/discussion of programs. MSUD deployed new courses and hosted Rutgers visit. Dept chair was panelist at CCD STEM Panel. Program associate was moderator for MSUD STEM Panel. PCC reviewed outreach activities

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to determine new direction. ID helping instructors with hybrid teaching techniques and conducting online teaching showcase for faculty. FRCC machining faculty earned NIMS credentials in subjects they teach: assures students are getting best instruction and is first step in NIMS accreditation. RA aligned outcome data with CCCS to ensure valid/accurate reporting. Employer survey shared with staff to evaluate student and program performance. CCD non-credit classes for BNSF started in Dec, providing incumbent workers enhanced skills. LCC offered adv welding courses for first semester; introduced improvements to courses offered past year, including employability component evaluated in labs using a rubric.

How many programs are you planning to offer?

9

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

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F. Key Issues and Technical Assistance Needs

Title	Description
None to report this quarter.	No key issues or assistance needs to report for this quarter.

G. Best Practices, Promising New Strategies and Success Stories

Best Practices and Promising New Strategies

1 Employer Networking

PPCC is planning networking event for March where students will meet with invited representatives from a number of manufacturing companies in the local area. Primary goal is to help and mentor completing students in the skills needed for gaining employment. Having students at the event show their work and conduct tours of facilities will allow companies to see PPCC programs and how the college prepares students to enter the workplace.

2 Student Completion

MSUD producing CHAMP video to show to underclassmen to inspire them to go for the certs. The video will interview 4 different students who are earning/have earned a certificate in the Engineering Technology program. RRCC audit of participant transcripts helps increase from 25 program completers(Summer 2015)to 133 program completers(Dec 2015. PPCC Navigator tracks student course and cert completions; identify students who complete certs. CPL specialist helps students apply for certs.

3 Employability Skills

LCC Navigator offering resume workshops for students. LCC has created a rubric based system for scoring students employability based upon attendance, on time attendance, work ethic in the shop, and interpersonal skills in the shop.

4 Employment Resources

PPCC is connecting participants to employment resources: the school's Career Planning and Advising resources (job search, networking, resume writing, job applications, cover letters, and interviewing skills) and resources available at the PPCC Workforce Development Division and the Pikes Peak Workforce Center. PPCC is planning a Career Seeker's Workshop for students to pull all of these resources together in a single event to jump start the process.

Success Stories

1 Student Recruitment

FRCC Navigator and Program Director made a presentation to the single women who are clients of a local nonprofit, The Pearl Group. One woman from the group has enrolled in the Intro to

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Machining for Women class that starts January 11.

2 Workforce Collaboration

EGTC continues to build Workforce and community partnerships. EGTC and DenverWorks developed an RFP to respond to WIOA needs.

3 Employment Opportunities

EGTC Career Services introduced Career Opportunity Network for employer postings of job openings. EGTC provides employers with platform for posting job openings. Students are trained in using new student portal to upload resumes. Job openings in relevant fields emailed to registered students and graduates. Hard copies of job openings are also posted outside student labs.

H. Additional Outcome Information

RRCC outcome completion has risen due to proposed actions: #1 is 99% target and #2 is over 100% target. PCC has potential for machining students internships at Los Alamos Labs. Dream Factory continues with concept proposal. FRCC Outcomes 4-6 have been met. Outcomes 1 and 2 are over 90% met. Outcome 3 is more than 50%. FRCC Employer survey results: 78% would recommend FRCC courses to employees, Median starting salary \$14.01-\$16, 83% felt students were proficient in blueprint reading, machining and teamwork. CCD Advanced Manufacturing Center Grand Opening was October 6th. Lt Gov Garcia spoke at the opening.