

Recipient: Front Range Community College

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

Quarter Ending: 03/31/2015

**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:

03/31/2015

Date of Submission:

05/15/2015

First Name:

Bitsy

Last Name:

Cohn

Title:

Director, CPL

Street Address:

9101 E Lowry Blvd

City:

Denver

State:

Colorado

Zip Code:

80230

Phone Number:

7208582883

Extension

Email Address:

bitsy.cohn@cccs.edu

A. Quarterly Summary for Grant Activities

RRCC: Developed Swiss Turn, Wire EDM, QC courses. Cert updates were approved. Website updates completed, incl new program fact sheets. SOW changed to spend remaining equipment funds. LCC: Piloting redesigned CHAMP welding courses. Renovations to welding lab and classroom completed. CCD: Took delivery of \$1,823,522.00 of advanced manufacturing equipment for Advanced Manufacturing Center. AIMS: All approved equipment ordered. All but 4 courses have been modified per grant requirements. Internship packet completed and partnerships coming online. PCC: Man Mach cert started as Fast Track. Prod Tech Cert endorsed by Southern CO Manuf Group. Developed Workplace Based Learning agreements with 2 employers. Assisted 5 students to get jobs. Developed Quick Guide for Success for students. Video recorded sessions for WEL OER. Set up process to create portfolios as part of coursework. Crosswalk process for WEL 140s to degree. Presented CHAMP college forum. PPCC: Equipment budget 100% expended. MAT 108 challenge exam in place. CHAMP orientation for faculty advisors during Professional Development Week. CPL specialist hired: 15 CPL evals. Navigator co-located at PPWFC. MAC lead instructor visited/toured JPM shops and discussed skills needed. MAC shop attained NIMS Level 1 certification standards. MSU: Infrastructure and installation of all CHAMP equipment completed in this quarter. All equipment is operational and training has been completed on all items

except the DMS printer. We had our second CHAMP-IAB meeting and showed CAVEA to the board. EGTC: Seven students enrolled in the Pre-manufacturing curriculum. Instructors redesigned existing curriculum (welding) and developed (manufacturing) for OER format. ID transferred supplementary materials to D2L. Submitted budget modification for CHAMP funds. Initiated recruitment for EGTC CHAMP Manager. FRCC: Acer Manual Lathes, which failed in Oct, replaced. The Vendor provided a nearly 90% credit toward the purchase of South Bend Lathes. Replacement was approved by DOL, ordered Dec 2014 and delivered Feb 2015. Due to larger than expected enrollment and industry requests for more on-machine instruction 6 additional machines were approved by the DOL in Jan, and delivered in Mar.

B. Status Update on Leveraged Resources

Provide an update on the organizations that contributed the resources:

RRCC: Action Machinery-upgrade to mazak mach. Barber-Nichols-materials to Warren Tech-indirect benefit to CHAMP students. LCC: Huddleston Butler Mem Trust, Dragon Enterprise-equipment&supplies. CCD: Mountainside Medical, RK Mechanical, Davis, Mfg, Codi Mfg, AME, Inc.-MAC & WEL materials. PCC: O'Neal Manufacturing. PPCC: JPM-palates of Delrin, raw material for MAC projects, Rexel USA-intelligent motor contr center training device, PPWFC office space, Colorado Springs Manufacturing Alliance collaboration. FRCC: Soft Skills taskforce: Woodward, Moyer. Employees given flexible work sched so they could teach machining: Primus, Metalcraft Ind. Donations: Mountainside Medical, Hirsh Precision

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

RRCC: Waiting for mazak machine upgrade to be installed. LCC: PHuddleston Butler funds: purchased Iron Worker guided bend test mach. Dragon Enterprise scrap steel, used by students. CCD: Support of the remodel/upgrads for the Advanced Manufacturing Center. Marketing of AM programs. PCC: O'Neal delivered a 2/3yd dumpster of scrap steel for a like amount of unusable scrap steel. CHAMP students were able to use 10-20% of this donation. PCC: WFC office for Navigator, Goodwill mods in 7 mfg classes, soft skills to 77 students. CSMA: Work and internship opportunities. EGTC: personnel and curriculum dev. FRCC: \$7,250 aluminum donation, \$1,140 stainless steel from Hirsh Precision, ongoing Scholarships

Comments:

NA

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.

RRCC: Equip/resources, positions/internships.LCC: Advise, workplace readiness CCD: Add2 empl. AIMS: Harsh Int student tour, internships, Advisory,dev/attend open house.PCC:WBL plans,liability waiver,screening participants,code of conduct.Prod Tech input.PPCC:Advice re internship/employ,tracking.JPM4 job postings,5 students interviewed.MSU:IAB met, discuss involve in engin ed.EGTC:General Iron and Steel new advisor.FRCC:January5,Soft Skills taskforce,March25 Advisory Board Meet

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

RRCC:Barber-Nichols created1 position,AccuPrecision3 jobs/interns.Faustson2internships.Ingram1 position.LCC:HBM Trust Iron Worker, guided bend test mach.Dragon Ent,3loads scrap steel&alum.PCC:EVRAZ,Vestas,Singleton inputWBL,course select,hiring prefer PPCC:Job place:JPM president took referrals for students placement.MSU:Protogenic,Inc refer employee to Navigator for info,empl planning to pursue certificate.FRCC:soft skills TF,employee flex-time to teach.

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

RRCC:Some Faustson internships given to HS students.CCD:Few open jobs, lack of skilled workers for open ones.Internships may help.AIMS: Student interest and prep for internships. PCC: Interviews:Vestas had to be reminded of commit.PPCC:JPM/others want first look at students. Will match with qualified candids.MSU:Employer not actively engaging, IAB covering employ partner needs. FRCC: Advisory exploring why businesses complain/don't engage.

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

Recipient: Front Range Community College

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

Quarter Ending: 03/31/2015

Three new employers discussing partnerships: Tenere, Alfred Manufacturing, Terumo BCT. Status pending. CCD: Dairy Engineering, Quality Corporation, Donkey, RK Mechanical Steel
Div. AIMS: Advisory committee/Internships:
Trautman&Shreve, Deocr Inc, Rocksol, Silverline Services, Rocky Mountain Water Jet&Laser, Olsson Associates, ConocoPhillips, Aerotek, Halliburton, Dubworks, Murphy Mill, Habitat for Humanity, NREL, AE Assoc PPCC: Western Forge internships/jobs. BalSeal is encouraging CHAMP courses to grow employee skills.

Comments:

na

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:

RRCC: Add supply and equipment purchases made. Facility renovation in the final phase. Adjunct faculty hired, meeting with ID to redesign Swiss Turn, Wire EDM. A new blended, hybrid course is being offered. Research analyst hired: maintain data, ensure accurate methodology, coordinate reporting. LCC: Completed renovations welding lab&classroom. Offered five redesigned welding courses. Recd approval from HLC, Basic, Intermediate&Advanced welding certs. Recd approval from HLC, AAS Welding deg. CCD: Focus on engagement with TAA-eligible workers, parents of new students, Veterans, AM career path advise. Working with 3Metro Denver Workfce centrs. PCC: Industry endorse of Prod Tech cert. Placed 5 students in jobs. Machining/Electro recruiting event. Started Fast Track machining cert. Developed WBL agreements, 2 employers. Presented PLA to faculty. Video sessions for WEL OER. Set up process, portfolios for coursework. Crosswalk for WEL 140s courses. Started on Adv Insp Tech cert course maps, D2L content. PPCC: Inform students and PPCC advisors re opportunities in AM. CHAMP orientation sessions and shop tours for faculty advisors during PDW in January. Attended Student Involvement Fair. Navigator, new contacts with AM interested students. Planning for our participation in the Military and Veterans Employment Expo. MSU: Navigator presented to Academic Advising&Communications depts and CHAMP classes. Navigator reached out to Retired Enlisted Vets, presented to Aurora Commission on Vet's Affairs. EGTC: 7 students concurrently

Recipient: Front Range Community College

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

Quarter Ending: 03/31/2015

enrolled in Pre-Manufacturing program. Lead Welding Instructor redesigned existing welding curriculum for OER. ID uploaded these to D2L Brightspace. FRCC: As All machining equipment is completely operational. The SCI dept donated a 4'x8' granite surface plate, now in the optical comparator room; surface was inspected and reground to required specs. All measuring instruments inspected and calibrated. Three machining work-study students assisting w a tooling checkout process.

How many programs are you planning to offer?

9

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

9

Recipient: Front Range Community College

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

Quarter Ending: 03/31/2015

Recipient: Front Range Community College

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

Quarter Ending: 03/31/2015

F. Key Issues and Technical Assistance Needs

Title	Description
Curricular changes and data	RRCC: Rapid curriculum changes i.e. certificate changes/approvals pose challenges to keeping CHAMP course lists accurate for data purposes. Currently up to date/work with CHAMP team ongoing.
Unexpected Renovation challenge	CCD: Still have limited access to machines so course development delayed. Should be resolved when new Advanced Manufacturing Center opens Q2. Extended delays due to regulatory/statutory demands have been ongoing throughout the grant to date. PPCC: Delays in renovation due to unanticipated findings in code reviews and building issues associated with renovating existing spaces. Ex: conversion of storage space to classroom space required a new HVAC system. Program continues work and workarounds.
Inst Barriers to Innovation	PCC: challenge process of piloting programs. Currently class size minimum enrollment requirements sometimes preclude starting courses that need to start small and grow over time.
WFC data	PPCC: Emerging questions re: difference in institution and WFC data in regard to AM referrals. IR and WFC working on this.

G. Best Practices, Promising New Strategies and Success Stories

Best Practices and Promising New Strategies

1 Industry Partnership Activities

AIMS: Following up, confirming information after meetings, phone conferences. Creating mass communication list for wide distribution of Dept info. Updated, current info online with a strong social media presence. Visiting industry partners onsite when appropriate. Business and Community Partners page on dept website. This is a great recruitment tool and a great way to say thank you. Student Spotlight Program highlights great things students are doing. Increases employer and student interest/engagement

2 Blended/Hybrid course

RRCC: The blended, hybrid course offered by RRCC is an innovative new strategy. It is a QC1 Certificate that is unique to the broader consortium. It is a 9 credit program that combines 3 different courses that are 3 credits each. The intention is to offer this certification in a more relevant, efficient manner based on student schedules and needs.

3 Veterans outreach

PPCC: Connecting to Veterans: We are working directly with the Director of Military and Veterans Programs at PPCC to seek candidates for the CHAMP program and to partner in helping transition military and veteran candidates into manufacturing jobs: We have been on the planning team for the annual Military and Veterans Employment Expo scheduled for 21 May. Included in our activities during the Expo, we will have presentations on CHAMP advanced manufacturing programs and employment opportunities

4 Pre Reading strategies

LCC: Over the summer we plan to build pre-reading strategies into the online portions of our courses. We have had students who struggle with the online content and we believe this is in no small part due to reading ability. We are going to see if the strategies will improve self-efficacy and student scores in quizzes on online content.

5 WFC Co-location

The Navigator and a member of the FRCC-BCC Outreach and Enrollment team will be co-located at the Boulder County Workforce Centers (2 locations). They will hold office hours on site two days per month at each location. By building a closer personal relationship with the workforce counselors and advisors the hope is that a greater understanding and working relationship can be built between the two agencies which will lead to more referrals in both directions.

Success Stories

1 Job Development snapshot

24postings,4companies hired 1student each,Mark Williams
Enterprises,CenterlinePower,Aveor,andWoodward Advisory member
posts:MoyerManufacturing,Intrex.NonAdvisory jobpostings:Aerotek,PCSFerguson,Front Range
Engineering,Oneil Flat Roll,Stark Custom Door&Millwork,Mac Gunworks,Colorado
Waterjet,Advanced FormingTechnology,Advanced Tooling concepts,Rapid ProTooling,Adams
Tech,CenterlinePower,Custom Microwave,Gre-Tan Rifles,MarkWilliamEnterprises,CustomTooling
andFabricationAerocom,RonGrob,WalkerMower

H. Additional Outcome Information

No additional information available.