

Recipient: Front Range Community College

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

Quarter Ending: 03/31/2014

---

**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:**

03/31/2014

**Date of Submission:**

05/14/2014

**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**

This quarter we continued to hire grant staff at consortium colleges. Faculty worked to develop and modify curriculum to meet OER requirements. Building and enhancing relationships with business and industry partners was priority for all partner schools. The CHAMP Advisory group met three times. A Credit for Prior Learning subcommittee began the work of drafting new system-wide policy. LCC: Hired project lead position. Finalizing renovation plans for addition to welding shop. FRCC: Hired grant coordinator, administrative assistant. FACILITY DEVELOPMENT: equipment moved from other campuses, CHAMP equipment list approved, PO sent to vendors. PROGRAM DEVELOPMENT: Program approvals received from DOE and HLC, RFP submitted for online curriculum. RRCC: Building feedback from industry advisors on curriculum. Dean Kent of Techniques Swiss designed the outline for the Swiss Machining Classes. PPCC: Equipment purchase approved, hired Navigator, had introductory meeting with staff at Workforce Center, attended CHAMP-related industry micro summits. EGTC: Began curriculum development for consortium welding courses with advisory members, Project Lead attended National Alliance for Partnership. MSU: The Program Manager, Program Assistant and Program Navigator officially began work on the CHAMP grant. The hiring process for a Program Associate began. MSU Denver received Department of Labor approval and began process to order the approved equipment. MSU

Recipient: Front Range Community College

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

Quarter Ending: 03/31/2014

---

Denver is on track and leading with MOOC math content development. Certificates are under development. PCC: Hired CHAMP Lead/Navigator/Instructional Designer. Conducted organization and planning meetings with partners: Business/Advanced Tech Div Dean, Advanced Manufacturing Chair, faculty chairs, staff & Machining Welding & Electromechanical Advisory & Sector Group members. Met with key manufacturers & toured facilities. Partnered with Workforce Center & student advising on Tech Job Fair. CCD: Leased a facility to house programs. Began developing courses for Machine Technology, Fabrication Welding, and Engineering Graphics Mechanical. Announced the Grant Coordinator, Internship Coordinator and Navigator positions and reviewed applications.

## **B. Status Update on Leveraged Resources**

### **Provide an update on the organizations that contributed the resources:**

FRCC: Manes Mach & Eng, Mountainside Medical Systems consults equip purchase. Advisory Board met 2/19. Whip Mix: Sector Summit host. Metaltech interview panel Emp Outreach Coord. RRCC: Donations: Dan Thoren \$5000 Probing System for HAAS use in 5 axis class, Faustson Tool \$5000 optical comparator, Richard Beard \$1000 surface condition gauge, Intrex inspection equip including surface gauges, Mics, and gauge pins. PPCC: Quantum and JPM: curriculum development. VP of Adm Services financial reporting. MSU: PCC and PPCC curriculum. CAEL Credit for Prior Learning resources. PCC: Bus & Adv Tech Dean, Dept chairs, Machining, Welding, Electromech staff hiring help. Southern Colorado Manuf Group perspectives.

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

RRCC: The Probing System for HAAS will be used with 5 axis class; The optical comparator will be used for our Inspection classes. PPCC: Funding used for travel to required meetings, pay Navigator salary, purchase office supplies. MSU: Resources were used on the Program Associate hiring process and for holding CHAMP meetings in the CAVEA conference room. PCC: CHAMP & partner resources to stand CHAMP collaboratively with Pueblo Workforce Center, local leaders, employers, and advisory groups/agencies. Purchased NIMS membership & training for faculty & students towards NIMS standards for Machining certifications.

### **Comments:**

The CCCS HB1165 group hosted a presentation by David Morgan, Director of Business Development, National Institute of Metalworking Skills (NIMS) to discuss the NIMS certification process with the CHAMP Advisory group and interested guests from K-12 and local Universities.

### **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.**

The employer partners were involved in college Advisory Board activities, in regional Industry Sector Summits in the first and second quarters of the year, have been tapped for involvement on the CHAMP Advisory and Leadership committees and on the CPL Subcommittee. In addition to these: LCC: Employers assisted with equipment selection. FRCC: A rep from Mountainside Medical was subject matter expert for curriculum development. The owner of Metalcraft served on an interview panel.

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

MSU:CHAMP advisory mtgs B&B Machining and Grinding.PCC:Tours  
EVRAZ,GCC,KURT,Weld/ElectMech/Mach curriculum mtgs LCC: FRCC:Mountainside Medical  
match curriculum with skills and competencies.PPCC:JPM advice and counsel on machining  
specific issues and courses; Quantum equip donation/ advice.EGTC: Curriculum development  
w/Welding Development Group.MSU:B&B Machining and Grinding attend advisory meetings,  
guidance and feedback on curriculum.PCC: Curriculum consult keep content current to employers.

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

PPCC: Always an issue to be sensitive to partners time and schedule. PCC: Leaders time commitments with heavy schedules. Challenge attending multiple mtgs especially if in Denver. Rotational attendance results. CCD: Past scheduling issues.

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

RRCC: Techniques Swiss and Faustson Tool are new as of the start of the grant. There is a great deal of interest in having employees enroll in our classes. PCC: Employer initiative from pewag proposing/initiating apprenticeship prgm for smaller employers. Conceived idea & presented at the

Recipient: Front Range Community College

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

Quarter Ending: 03/31/2014

---

Southern Colorado Manufacturing Group Mtg for buy-in. Also wide continuing interest in establishing/offering an intro Production Technician Certificate with technical/soft skills.

**Comments:**

FRCC: The Feb 19 Advisory Group meeting provided us with employer partner input concerning skills and competencies to be taught in the CHAMP credit/non-credit programs. We participated in the Northern Colorado manufacturing sector meeting on Mar 27, which involved evaluating critical workforce needs. PCC: Large employers compared to smaller employers may have similar yet differing goals/needs to be served to help them be more competitive industries & better employers. Our largest employer EVRAZ has a 4-yr apprenticeship prgm, whereas, several smaller employers like pewag would appreciate sponsorship assistance establishing & administering a cooperative apprenticeship program.

**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?**

No

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

No

**Did you acquire any additional employer partners during this quarter?**

No

**D. Timeline for Grant Activities and Deliverables**

**General Comments:**

LCC: Working towards finalizing renovation plans for welding shop addition. FRCC: Staff worked on getting the new Advanced Technology Center (ATC) ready to begin credit and non-credit classes this summer. All equipment is now on order and will be delivered April-June. Some used equipment has been moved from other campuses and from Whip Mix. Offices and classrooms are 90% finished. Development of the credit program curriculum is almost 50% complete. The project to coordinate development of the ATC and the new credit and non-credit curricula is still on target with the following completion dates: ATC ready for staff and classroom use: April 8. ATC open house: May 22. ATC ready for non-credit classes to begin: June 15. ATC ready and curriculum developed for credit classes to begin: August 18. RRCC: Gained all approvals needed to initiate equipment purchases, began preparing RFPs. Hired Data Coordinator. Created a Certificate for EGT 205, MAC 102. Began renovation. Hired a Project Manager and Data Coordinator. PPCC: The primary activity was the process of hiring staff. The Navigator has been developing materials and working to get the program started. EGTC: Welding curriculum development. MSU: Hosted 3 monthly mtgs for CHAMP Advisory Group and Quarterly Leadership conference. Hosted CHAMP CPL meeting. PCC: Outreach to Pueblo Workforce Ctr & Board, Economic Dev Council, CO SO

Recipient: Front Range Community College

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

Quarter Ending: 03/31/2014

---

Manufacturing Grp. Developed curr/course/faculty assignments, visual graphics. Published CHAMP article. CCD: Advisory and CPL Committee meetings. Began developing courses for MachTechnology, Fabrication Welding, and EGTMechanical. Announced the Grant Coordinator/Internship Coor and Navigator positions. Leased a facility to house Machine Technology and Fabrication Welding. We met with architects to identify infrastructure needs and costs to prepare the leased space for occupancy in November 2014.

**How many programs are you planning to offer?**

9

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

4

Recipient: Front Range Community College

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

Quarter Ending: 03/31/2014

---

Recipient: Front Range Community College

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

Quarter Ending: 03/31/2014

---

## **F. Key Issues and Technical Assistance Needs**

<b>Title</b>	<b>Description</b>
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 Project management**

FRCC: FRCC hired a project management consultant to aid in keeping the project on track. This has been invaluable as a project of this magnitude could easily go off track without a detailed system and process in place. Hiring criteria- Seeking recent industry experience and/or continued work in industry while teaching. Provides credibility and insures curriculum maintains relevance. PPCC: Recognize importance of integrating employer mandated soft skills and transferable skills.

#### **2 Hiring Practices: faculty**

Have begun process of hiring faculty and instructors. We will greatly value those that have recent industry experience and especially those that will continue to work in industry while they teach. This provides credibility and insures that the curriculum maintains relevance.

#### **3 Softskills**

PPCC: Recognize importance of integrating employer mandated softskills and transferable skills.

#### **4 Blended courses**

RRCC: is looking at blending interrelated courses: EGT 205, MAC 102, 250 where students enroll in all three classes at the same time and the courses are presented seamlessly. In addition, seated classroom time is limited to the beginning of the semester then gradually shifting to most/all of class time working on equipment by the end of the semester. Preliminary results indicate that students perform well in this scenario and are better prepared for the workplace.

### **Success Stories**

#### **1 None to report this quarter.**

No success stories to report for this quarter.

## **H. Additional Outcome Information**

CCD: The facility delay until November 2014 will impact the number of students served and the



Recipient: Front Range Community College

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

Quarter Ending: 03/31/2014

---

development of new courses. When a final plan is in place for the facility, we will be able to adjust the SOW with the new timeline. The tentative date for completion of the facility is November 17, 2014.