

Recipient: Front Range Community College

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

Quarter Ending: 06/30/2014

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**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:**

06/30/2014

**Date of Submission:**

08/13/2014

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**A. Quarterly Summary for Grant Activities**

Programs worked to develop curriculum, complete equipment purchases and prepare for renovation. Navigators met regularly and are working on the development of the College Success MOOC. LCC Worked on the design of five welding courses. We have been preparing documents for academic review committee approval. EGTC has been working on welding curriculum development, reaching out to potential industry partners for enrollment and employment opportunities and recruiting for a manufacturing instructor. PCC Participated on the CCCS CPL policy/procedures subcommittee. Hosted NIMS workshop, instructors earned 10 certifications/gained curr applications. Conducted curr advisory mtgs in Weld/Mach/Electromec. Participated Futurer/Tech/Job Fairs. Briefed SO Colorado Manufacturing Grp. PCC Presented to Gold Council & Econ Dev Council. FRCC All equipment has been received, installed and started up. Installed Immerse2Learn, a purchased on-line curriculum. NEW HIRES - Employer Outreach Coordinator, Navigator, Shop Technician. All credit courses except EGT 205 and MTE 130 complete, but not yet in OER format. Specialized & Multi-axis Machining module development started. CCD Met Industry Partners from City/County of Denver. Met w/ key Leaders and Architectural firm on renovation of the CCD Advanced Manufacturing Facility. Supported CCD Faculty in course development for Machining, Fab Welding, and Engineering Graphics. Hired and

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transitioned CHAMP Grant Manager and CHAMP Navigator in May - June time-frame. AIMS Modifying curriculum and in the hiring process for Navigator. PPCC Hired program manager. 27 Courses in development. Submitted curriculum course maps. MAC instructor NIMS level 1 certified. Developed recruitment materials. Navigator attended NAPE conference/CO Workforce Sector Summit. MSU The Program Associate position was filled. MSU Denver hosted an Outreach Luncheon for community and industry partners. The bidding process for our CMM and EDM equipment began through AHEC. MSU's CHAMP website was launched. Four MET courses went up as OER on D2L. RRCC Approved 6 Quality Control Level I Certificates to students. Submitted 2 course outlines for CCNS. Prepared for shop renovation; Moved equipment, built storage, poured cement. Posted RFPs for equipment. Contributed to development of soft skills training MOOC. Initiated marketing strategy with Marketing Dept and outreach. Hosted Advisory Committee meeting. Explored WIA options for students

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

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

FRCC: Mountainside Medical donated \$1,517 in aluminum stock. RRCC: Coors Tech donated a SmartScope

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

The SmartScope will be one of two pieces of equipment that will be used for the QC Level II and III courses

**Comments:**

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

Yes

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### **C. Status Update on Employer(s) Involvement**

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

LCC SEMCO/Airgas wkd with CAEL on indust data/career map. EGTC High Plains Welding conference calls re curriculum design. PCC Plant tours, explained hiring policies, practices, quals. Internship offers for certificates. MMS and Metalcraft SME-curriculum development. Metalcraft, expertise with 5-axis mill. CCD Advisory mtgs -Machining and Engineering Graphics equip. PPCC Quantum Corp. worked out details of 3 axis CNC mill donation.

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

All partners involved in CHAMP Advisory, curriculum design, equipment planning and purchase decisions. LCC equipment installation support. CCD Input to Faculty on Master course

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development, relevant AM equipment and software recommendations, clarified key employability skills.

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

PCC Ongoing sustained employer commitments necessary to stay engaged in curriculum review/input/recommendations and internship responsibilities. PPCC Some delays finding convenient time for JPM to meet with us now that Program Manager is aboard. Sometimes communication challenges with employers as their businesses takes priority.

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

FRCC Mike Hirsh, owner of Hirsh Precision and Chad Long, Operations Manager for Intrex Aerospace joined the advisory board. CCD Davis Manufacturing is an emerging local machining partner. RRCC CoorsTech-donated equipment, Davis Management-paid internships

**Comments:**

PCC "Mtgs have been held in conjunction w/ SO CO Manufacturing Group in Pueblo as well as a hosted event in CO Springs. The mtg in CO Springs attracted manufactures, educators & civic representatives to begin identifying some initial areas they might be able to increase collaborative efforts for mutual benefit. Focus includes organizing/conducting regional Fall AM Tech Expo in Denver. FRCC Advisory mtg -employer input re skills and comps in the CHAMP credit/ non-credit programs.

**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:**

All programs participated in Advisory and Leadership meetings. All programs worked on hybrid curriculum course enhancements. LCC Completed hiring personnel. CHAMP staff started work on five Welding courses. EGTC working on welding curr dev, outreach to industry partners, recruiting for a manuf instructor. PCC Hybrid course enhancements. Collaborative events. Dev media articles including PCC Foundation Mag, paper & bulletins. Community Mentoring Committee. Graphic Arts students dev graphics for branding/outreach. FRCC Staff worked on getting the new ATC ready to

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begin credit and non-credit classes this summer. All equip except two machines delivered. Offices/classrms 100% finished. Credit program curriculum development is over 90% complete. Employer Outreach Coordinator, Navigator and Shop Technician jobs have been filled. CCD Hired CHAMP Grant Manager/Internship Coordinator and Navigator. Met with architect and sub-contractors to finalize plans for renovation of the new Advanced Manufacturing Facility. AIMS Modifying curriculum to OER status. PPCC Began process to hire a .5 FTE person for CPL. MSU Hosted the Advisory meeting at MSU Denver in CAVEA 400. MSU also hosted a CHAMP outreach luncheon with 23 attendees Program Associate hired. The MSU Denver CHAMP website was launched. The bidding process for CMM and EDM equipment began. CAVEA purchase software for future CHAMP use (Kinect for Windows and Leap Motion Controller). CAVEA also began the hiring process for a part-time Meeting Coordinator. RRCC offered 2 MAC and 1 EGT courses to students. CCNS outlines for Adv Inspection II and III have been submitted for college review. The shop was re-arranged to make room for the new equipment, materials purchased and assembled for equipment storage, initial planning for major renovation work; Adv Machining Advisory Committee met and selected new equipment for purchase; Navigator is meeting regularly with other Navigators to develop a soft skills training program.

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

9

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

3

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

<b>Title</b>	<b>Description</b>
Delay in renovation approvals	PPCC, RRCC, CCD: Delays may affect program ability to meet DOL deadlines. CCD- The new AMF building will be available in January-February 2015. This will delay equipment and the logistical movement of existing equipment from CCD North Campus. (RRCC, CCD)Some new CHAMP courses will require the delivery of the new equipment before course development will be completed. CCD Plans are to complete the new AM courses by April 1, 2015.

## **G. Best Practices, Promising New Strategies and Success Stories**

### **Best Practices and Promising New Strategies**

#### **1 PCC: Hybrid courses**

PCC Best Practices includes identifying current best practices in effective added-value application of hybrid/online course enhancements using current and appropriate education/training curriculum software and interactive technology that support and enhance desired learning objective outcomes for the individual learner toward national KSAs and specific competencies

#### **2 FRCC: Project management**

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. The result is that the ATC opened on schedule and classes were started two months prior to the beginning of the fall semester.

#### **3 PPCC: Course development**

Excellent team approach led by our department chair which incorporated templates for each course under development and a specific process to guide development on each course to ensure that each meets CHAMP requirements and covers the level of detail needed for implementation. Placed emphasis on professional development and certs in ELT and MAC and sought to increase the qualifications of our employees so that they can in turn prepare students for the NIMS Level 1 certification

#### **4 RRCC: Blended curriculum**

RRCC MAC 102, 250 and EGT 205 are blended together and students are graded/awarded credit based on project-based, competency based outcomes. RRCC invited other CHAMP Instructional Designers and project managers to observe how the course is designed and delivered.



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## **5 FRCC: Employer Outreach**

The Employer Outreach Coordinator is canvassing employers to determine their training needs and also determine their needs for new employees. The Navigator will work with students preparing them for the job market and working with them on a job search and career strategy. Working in combination, they will be able to optimize the students success in landing a meaningful job.

### **Success Stories**

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

No success stories to report for this quarter.

### **H. Additional Outcome Information**

No additional information available.