

Recipient: Lorain County Community College

Grant Number: TC-26435-14-60-A-39

Quarter Ending: 12/31/2015

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

Project Name:

Ohio Technical Skills Innovation Network (Ohio TechNet)

Grant Number:

TC-26435-14-60-A-39

Award Year:

2014

Report Quarter Ending:

12/31/2015

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02/09/2016

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A. Quarterly Summary for Grant Activities

Ohio TechNet (OTN) is an 11-school Advanced Manufacturing consortium with 5 programs: Welding, CNC/Machining, Industrial Maintenance, Digital Fabrication/Industrial Automation, Occupational Safety. Schools include Columbus State (CSCC), Cincinnati State (CSTCC), Cuyahoga (CCC), Eastern Gateway (EGCC), Lakeland (LCC), Lorain (LCCC), Owens (OCC), Rhodes (RSC), Sinclair (SCC), Stark (SSC), Zane (ZSC). In Q5, OTN built on the foundation established in Year 1. Accomplishments include: CAEL's creation of an OTN PLA strategy report which our PLA committee is reviewing to determine OTN's role in advancing the PLA work currently underway in Ohio; research of online curriculum vendors and the review of welding RFP by OTN affinity groups; development and approval of curriculum, certificates and degrees; development of approved safety curriculum; establishment of online/hybrid and competency based programming policies; development and implementation of participant outreach (in-person, print and online); submission and approval of budget modifications; submission of OTN APR for Year 1; procurement, purchase and installation of approved equipment; initiation of recently approved renovations; completion of a new Fab Lab; executed data sharing agreements between partner schools and LCCC; initiation of data sharing agreements between consortium lead and Ohio Dept. of Job and Family Services; enhancement of participant intake and data collection procedures; development of technical assistance resources; hiring and training of grant staff and faculty; participation/hosting of several Manufacturing Month and veteran events; continued engagement of

employers/industry partners in advisory committees, curriculum development and on-the-job training; ongoing coordination with local workforce partners; collaboration with local, state and national leaders; collaboration with Institutes for Manufacturing Innovation (IMI) including LIFT regarding coordination of Ohio Manufacturing Careers Council, NIMS training for select faculty, and NextFlex and LIFT regarding innovative curriculum models creating strategies for improved outreach to veterans, TAA-certified individuals and other transitioning adults.

B. Status Update on Leveraged Resources

Provide an update on the organizations that contributed the resources:

Anchor Glass provided materials for students to practice with valves, seals, cylinders, electric. Center for Innovative Food Technology (CIFT) provided support in the development of RSC's Food Technology program. Sinclair leveraged TAACCCT funding by modifying Round 2 CBE deliverables to avoid duplication in instructional design, orientation coursework and a computer literacy assessment for this Round 4 grant.

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

ZSC: classroom training materials via Anchor Glass (\$500), Unrecovered Indirect (\$9,057.71); CSTCC: Unrecovered Indirect (\$5,285.36); RSC: CIFT engagement (\$1,025), Unclaimed Indirect Costs (\$6,648), monthly steering committee meetings (\$1,050); SCC: Development of acceleration tools via Round 2 TAACCCT grant (\$27,500), Unrecovered Indirect (\$17,160.35); OCC: Unrecovered Indirect (\$18,880.36); LCC: Unrecovered Indirect (\$14,972.34); CCC: Unrecovered Indirect (\$3,392.33).

Comments:

N/A

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.

Required employers participated on the Statewide Safety Industry Council, engaged in Ohio Manufacturing Careers Council (OMCC) work groups and other advisory committees, reviewed curriculum and provided input, participated on employer panels, hosted plant tours, assisted in instructor recruitment, provided internships, participated and agreed to participate in Right Skills Now, and participated in several Manufacturing Month events.

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

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Great Lakes Group (CCC) hired interns. Lincoln Electric and Air Technical (LCC): curriculum design, employer panels, and/or plant tours. Kern-Liebers USA, Inc. (OCC): Manufacturing Expo. Rudolph Foods (RSC): creation of an educational path to a credential. SGS Tooling (SSC): employee training and Right Skills Now. Bettcher Industries, R.W.Beckett, SCT, Crane Aerospace & Electronics, Diamond Products General Plug, Nordson (LCCC): posted jobs, hired interns and/or participated in employer panels.

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

CCC reported strategic planning, research, and industry engagement as challenges that they are currently overcoming. CSTCC experienced a slow start to their accelerated welding program; once the program launches, employer relationships from a prior TAACCCT grant will be leveraged. Identifying convenient meeting times is a challenge for LCC. LCCC is working to coordinate employer outreach with the efforts of other local economic development groups.

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

New employers: Hirschvogel, Torque Transmission, Parker Hannifin, BASF, Contour Precision Milling, Flavorseal, Forest City Technologies, Nelson Stud Welding, Thogus Products, Baker, Betco, Calphalon, Continental Structural Plastics, GB Mfg, GKN Driveline, Global Precision Parts, Magna Exteriors, Renhill, Roki America, Sauder Woodworking, Mennel Milling, Toledo Edison, Cooper Farms, Dayton Progress, Ariel Corp. New and previous employer commitments: events, recruitment, employee training.

Comments:

OTN also works with economic development organizations, industry associations and third-party intermediaries to gain additional input on industry needs. RSC is working with the Center for Innovative Food Technology (CIFT), a statewide manufacturing consortium to create a Food Technology pathway and industry recognized credential. LCC works closely with Alliance for Working Together (AWT) Foundation to connect with new employers. Additionally, several OTN employers who attended the launch of the Ohio Manufacturing Careers Council (OMCC) now serve on the image and/or education committees for OMCC.

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:

Enhanced collaboration among career technical, community colleges, registered apprenticeship and 4-year universities is underway. Cincinnati State plans to collaborate with Butler Tech to offer co-enrollment for a Welding program. Tech prep students from Coshocton County Career Center previewed welding and industrial programs at ZSC. CCC is enhancing collaboration with Case Western Reserve University's (CWRU) Lincoln Electric Robotic Welding Research and Partnership. LCCC received approval for a joint use agreement with CWRU relating to Thinkbox, one of the world's largest university-based innovation and entrepreneurship centers. RSC is reviewing articulation agreements with local career centers and progressing to become a Registered Pre-Apprenticeship and Apprenticeship Sponsor. OTN is focusing on adopting consistent approaches to serving veterans. Officials from the Ohio Department of Veteran Services will lead a veteran-focused info session for OTN project managers in Feb 2016. In Q5, ZSC and CSCC planned a Boots to Business program in partnership with local SBDCs. CCC is creating a module-based online training for students interested in becoming small business owners through the SBA. Work is underway to expand degree options and credit-bearing education and training for safety professionals. LCCC worked with a Statewide Safety Industry Council to identify required safety courses. As we look to integrate new/replicate successful models of online, technology-enabled and competency-based learning, applications received in response to a welding RFP were reviewed. CCC completed a Fast Track Welding Bootcamp: 10 students completed, receiving 33 national certifications; 4 students hired as interns, earning \$12/hour, 40 hours/week. RSC & ZSC are researching requirements to become certified to deliver NIMS coursework. CSCC developed CNC & Multi-craft Maintenance curriculum with CBE focus. 5 of LCCC's Right Skills Now participants were hired as interns in October 2015.

How many programs are you planning to offer?

5

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

3

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Activity ID: 1

Status: Ongoing

Activity Type: Activity

Project Goal: 1.1 General Program Management

Narrative: Align activities with existing sector initiatives to share best practices

Expected Start: 10/01/2014

Expected End: 09/30/2018

Actual Start: 10/01/2014

Actual End:

Notes: 03/20/2015: Activity 1.1; Align activities with existing sector initiatives to share best practices

05/07/2015: Started recruitment for Project Manager and Program Developer; contracted with Program Evaluator; hired Resource Development Specialist.

08/14/2015: Work Teams were launched to support program management. Project management team is hired and oriented to Ohio TechNet / TAACCCT including OTN project manager, program developer, senior research project manager, and resource development specialist.

11/12/2015: Consortium infrastructure organized: data sharing agreements, systems for secure data transmittal, weekly calls, regular webinars, site visits. OTN partners align employer engagement and career pathway development with the Ohio Manuf. Careers Council.

02/08/2016: OTN collaborates with state and national leaders and initiatives by supporting the launch of Ohio Mfg Careers Council (OMCC), led by industry with the support of the Ohio Department of Higher Education (ODHE), LIFT and OTN.

Activity ID: 2

Status: Ongoing

Activity Type: Activity

Project Goal: 2.1 Accelerated Remediation

Narrative: Contextualized and accelerated remediation through collaboration

Expected Start: 06/01/2015

Expected End: 09/30/2017

Actual Start: 03/02/2015

Actual End:

Notes: 03/20/2015: Activity 2.1; Collaboration with Adult Basic Education, Industry, workforce and Ohio Completion Agenda

05/07/2015: Started procurement process for PLA contractor.

08/13/2015: Select consortium members have had initial discussion with a local ABLE provider about developing a Bridge Class to help prepare students for Math in Welding and engaged faculty to complete enhanced math curriculum for Machinery Maintenance.

11/12/2015: Consortium members attended Competency-Based Education Conference and PLA Strategy Session with CAEL. Select consortium member has confirmed partnership with local ABLE and reviewed and modified curriculum.

02/08/2016: OTN is reviewing CAEL's PLA recommendations to determine a strategy to increase PLA credit obtainment statewide. CSCC developed CBE-focused curriculum. CCC is exploring virtual ideation training & software simulation training for robotics welding.

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Activity ID: 3

Status: Ongoing

Activity Type: Activity

Project Goal: 2.2 Enhanced Collaboration

Narrative: Collaboration among career technical, community colleges, registered apprenticeship and 4 yr univ.

Expected Start: 10/01/2015

Expected End: 09/30/2017

Actual Start: 10/02/2014

Actual End:

Notes: 08/13/2015: University System of Ohio Talent Development Network collaborated on statewide Post-Secondary Adult Career Education conference. Worked with State of Ohio Apprenticeship Council; attended conferences to gain best practice knowledge on collaboration. 11/12/2015: Affinity Groups have continued to meet, resulting in increased collaboration among partner colleges. Select consortium member collaborated with career centers to become registered apprenticeship sponsor. 02/08/2016: OTN partners created regional partnerships to capitalize on ODHE funding for manufacturing equipment, which maximizes the OTN investment.

Activity ID: 4

Status: Ongoing

Activity Type: Activity

Project Goal: 2.3 Strengthen Employr Roles

Narrative: Strengthen employer roles as design and delivery partners

Expected Start: 07/01/2015

Expected End: 09/30/2017

Actual Start: 01/05/2015

Actual End:

Notes: 08/14/2015: Team 2 is researching and developing employer engagement tools. OTN is also collaborating with LIFT and OBOR to launch Ohio Manufacturing Careers Council and engaging employers in planning committees, advisory committees, work groups, focus groups. 11/12/2015: Seminar with The Manufacturing Institute was held, which discussed employer engagement strategies and the new ROI tool. Employers have been engaged on advisory panels and via the OMCC to assist in program design and implementation. 02/08/2016: OTN continues to engage employers locally and supports employer involvement in work teams of the Ohio Manufacturing Careers Council (Image/Outreach and Education/Skills).

Activity ID: 5

Status: Ongoing

Activity Type: Activity

Project Goal: 2.4 Online Learning

Narrative: Integrate new & replicate successful models of online tech-enabled competency based

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learning.

Expected Start: 10/01/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Researched hybrid models; drafted Request for Information to gather information on potential providers and efficacy of programs; participated in nat'l conference on Competency Based Education hosted by previous TAACCCT grantees.

11/12/2015: Statewide Competency-Based Education conference attended; competency-based curriculum designed; course created using welding robot purchased with grant funds; Welding Affinity Group created an RFP to solicit online welding program resources.

02/09/2016: Partner schools have made significant progress with CBE and shared this expertise on weekly consortium calls and during affinity group meetings.

Activity ID: 6

Status: Ongoing

Activity Type: Activity

Project Goal: 2.5 Serving Veterans

Narrative: Adopt consistent approach to serving veterans

Expected Start: 06/01/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Planned July seminar with The Manufacturing Institute focused on Get Skills to Work. LCCC organized Boots to Business workshop with SBDC, postponed due to low enrollment. Will work with veteran service agencies to revise outreach and reschedule.

11/12/2015: Partners are involved at multiple levels in honing services and strategies to accelerate the transition of veterans to manufacturing careers, working with campus groups, OhioMeansJobs, veteran services, Hire a Vet, NEOVETS, and other initiatives.

02/08/2016: Officials from the Ohio Department of Veteran Affairs will lead a veteran-focused info session for OTN project managers in Feb 2016. In Q5, ZSC and CSCC planned a Boots to Business program in partnership with local SBDCs.

Activity ID: 7

Status: Ongoing

Activity Type: Activity

Project Goal: 2.6 Safety Education

Narrative: Expand degree options and credit-bearing education and training for safety professionals

Expected Start: 02/28/2015

Expected End: 09/30/2017

Actual Start: 02/28/2015

Actual End:

Notes: 05/07/2015: Preliminary discussion regarding scope of work for safety contractor.

08/14/2015: LCCC hosted the Assistant Secretary of Labor for OSHA and industry partners for

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Workers' Memorial Day. OTN contracted subject matter experts to support project management related to deliverables for the safety education and training component.

11/12/2015: Statewide Safety Industry Council was launched to help design/create the Safety Career Pathway. Representatives from OSHA, industry, workers comp, and education attended. Partners also report embedding OSHA training into technical fields of study.

02/08/2016: In conjunction with the Statewide Safety Industry Council, courses were identified for a 2-year Occupational Safety degree.

Activity ID: 8

Status: Ongoing

Activity Type: Activity

Project Goal: 3.1 Systems Integration

Narrative: Replicate successful models of community college/workforce systems integration

Expected Start: 01/01/2015

Expected End: 09/30/2015

Actual Start: 01/01/2015

Actual End:

Notes: 05/07/2015: Engaged local WIB as a partner and held preliminary conversations about using Ohio's state-level case management system.

08/13/2015: Met with local WIB partner to discuss data management and previewed OTN's special office in Ohio's Workforce Case Management System (OWCMS). Crosswalked data fields in the Participant Intake Form to fields in the OWCMS.

11/12/2015: Continued work with ODHE, ODJFS and local WIB to foster collaboration; connecting with local WIBs and college workforce development departments; Pathway to Employment model created through prior TAACCCT grant at Cincinnati State will be replicated.

02/08/2016: OTN continues to collaborate with workforce partners to engage and support individuals in existing advanced manufacturing initiatives, implementing models such as Right Skills Now, and developing collaborative delivery models.

Activity ID: 9

Status: Ongoing

Activity Type: Activity

Project Goal: 3.2 Completion Agenda

Narrative: Align activities to Ohio's completion and student success agenda

Expected Start: 06/30/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/14/2015: Work Team 3 was launched. Its goal to expand best practices that redesign student intake, success, and placement support the alignment of activities to Ohio's completion agenda.

11/12/2015: Navigator Affinity Group launched to share best practices for student intake, success, and placement; Integration of TAACCCT activities within colleges' overall completion agenda and teams; PLA work which supports student success is advancing.

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02/08/2016: OTN utilizes navigators, intrusive advising, creative financial aid programs, and unique curriculum models, such as CBE and PLA, to increase student success and completion. Several OTN project managers serve on their school's Completion Agenda team.

Activity ID: 10

Status: Ongoing

Activity Type: Activity

Project Goal: 3.3 Self Employment

Narrative: Expand training for entrepreneurship focus on professional/technical services for adv mfg

Expected Start: 10/01/2014

Expected End: 09/30/2017

Actual Start: 01/01/2015

Actual End:

Notes: 05/14/2015: Spring Boots to Business program scheduled with SBDC team at Lorain County Community College.

08/13/2015: LCCC serves dislocated workers through DOLETA supported self-employment training initiative; will design strategies for sharing lessons learned. OTN collaborating to plan regional entrepreneurship event for Fall focused on diverse talent.

11/12/2015: Rhodes SBDC and Columbus State considering replication of "Boots to Business" program; Sinclair maintenance training program also supports entrepreneurs; Fab Lab in development at Zane State will support entrepreneurship.

02/08/2016: ZSC completed their Fab Lab which will help entrepreneurs test ideas. CCC is creating a module-based online training for students interested in becoming small business owners. CSCC, ZSC, RSC, and LCCC are working with local SBDCs to launch programs.

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Deliverable ID: 1

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 1 Finalize evaluation plan

Narrative: Finalize evaluation plan with appropriate IRB approval

Expected Start: 10/01/2014

Expected End: 09/30/2017

Actual Start: 01/01/2015

Actual End:

Notes: 05/07/2015: Contracted with program evaluator and initiated development of delivery plan.

08/14/2015: The evaluation team of New Growth Group, working with the Ohio State University's OERC, the OTN project team, college partners, and the OH Dept of Jobs and Family Services, prepared the evaluation plan, which LCCC submitted to DOL on 5-15-15.

11/12/2015: The evaluation plan is complete and has been approved. Reviewer notes were received and are the focus of discussion with our evaluation team.

02/08/2016: OTN explored the need to seek IRB approval and LCCC determined that it is not required. OTN is working with partner schools that have additional questions on this matter.

Deliverable ID: 2

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 2 Data Management System

Narrative: Common Data Management Systems in place

Expected Start: 10/01/2014

Expected End: 09/30/2017

Actual Start: 10/06/2014

Actual End:

Notes: 05/07/2015: Engaged local WIB as a partner and held preliminary conversations regarding use of Ohio's case management system.

08/13/2015: Met with local WIB partner to discuss data management and previewed OTN's special office in Ohio Workforce Case Management System (OWCMS); crosswalked data fields in the Participant Intake Form to fields in the OWCMS; drafted data sharing agreements.

11/12/2015: Data management systems are in place to consistently capture participant data. Work continues with State of Ohio and evaluation team to proceed on use of the states' case management system for OTN as part of a workforce transformation agenda.

02/08/2016: Data sharing agreements between consortium lead and partner colleges were executed. Work on data sharing agreement between consortium lead and Ohio Dept. of Job and Family Services was initiated.

Deliverable ID: 3

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 3 Website launch

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Narrative: Ohio Tech Net website launch

Expected Start: 10/01/2014

Expected End: 09/30/2017

Actual Start: 10/01/2014

Actual End:

Notes: 05/07/2015: Expanding use of SharePoint as a collaborative tool for consortium. Preliminary conversations regarding integrating this with public website.

08/14/2015: Communications plan was drafted. Website is a priority for Q4 and Q5.

11/12/2015: Compiling a request for bids for a consultant to help manage the communication plan and strategies for OTN, including development and management of strategies for the website launch.

02/08/2016: RFP was issued for communications consultant; consultant was selected and began to develop outreach/communications strategy.

Deliverable ID: 4

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 4 Benchmark report

Narrative: Benchmark report

Expected Start: 10/01/2014

Expected End: 09/30/2017

Actual Start: 01/01/2015

Actual End:

Notes: 05/07/2015: Conversations with Employer Engagement Specialist in support of CCWC meeting with college presidents in September 2015.

08/13/2015: Report in development.

11/12/2015: A partners meeting on PLA was held which will provide information for a benchmark/strategy report to be created by the contractor, CAEL.

02/08/2016: Survey to collect data for benchmark report for colleges' use of Competency Based Education was developed. In conjunction with our work with CAEL, OTN received PLA benchmarking for many of our partner schools.

Deliverable ID: 5

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 5 Inventory of Strategies

Narrative: Annual inventory of strategies adopted/replicated at partner colleges.

Expected Start: 06/30/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/14/2015: Work Team 2 launched. Annual inventory of strategies is in development. OTN is collaborating with LIFT (lightweight materials NNMI) to pilot Manufacturing Readiness Program at several partner schools.

11/12/2015: This was initially discussed in Q3. We created a baseline of information by creating a

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statement of work document for each partner college. Team 2 will continue work to compile ongoing data in Q5.

02/09/2016: The framework for the annual inventory will be completed in Q7, designed to easily summarize adopted strategies pulled from quarterly reports.

Deliverable ID: 6

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 6 Toolkits

Narrative: Toolkits created or linked via Ohio TechNet site.

Expected Start: 06/30/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Work Teams 1, 2, and 3 were launched, which will develop toolkits relevant to team goals.

11/12/2015: A toolkit for replication of Right Skills Now, an accelerated training model for machining, is in development. Other toolkits will be created over the course of the grant.

02/08/2016: Toolkits for Right Skills Now and data collection and reporting were developed, and distributed using SharePoint. They will be posted once the OTN website launches.

Deliverable ID: 7

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 7 AMCP web page

Narrative: Advanced Manufacturing Career Pathways web page updated in partnership with OMJ/Ed/Ind/Wkfc partners

Expected Start: 09/01/2015

Expected End: 09/30/2017

Actual Start: 06/15/2015

Actual End:

Notes: 08/14/2015: Partnership with state of Ohio and LIFT to launch Ohio Manufacturing Careers Council, led by manufacturing CEO's, will drive development of website.

11/12/2015: OTN supported the launch of Ohio Manufacturing Careers Council, an industry-led initiative with 3 areas of focus: outreach/career awareness; skills/education; product commercialization. Career pathways mapping is part of this collaboration.

02/08/2016: OTN continued to work with LIFT, ODHE and OMCC to develop career pathways to be shared on the OTN and a planned OMCC website, linked with OhioMeansJobs. Communications consultant was also hired to lead the development of the OTN website.

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Project Goal: 8 State wide templates

Narrative: Templates and matls to support consistency in outreach, career advising, and employer engagement

Expected Start: 07/01/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Work Team 3 was launched, which will support the adoption of consistency in outreach, career advising, and employer engagement by developing templates. CSTCC is ready to share the PTEC model and its tools and resources.

11/12/2015: A communications consultant is in process of being engaged to develop templates and materials. The Navigator Affinity Group launched which also supports consistency in advising. Employer engagement locally and via OMCC further supports this work.

02/08/2016: OTN adopted a new logo which aligns to Ohio's state branding. Communications consultant and graphic designer were hired, and began to create consistently branded outreach materials.

Deliverable ID: 9

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 9 Comparative Analysis

Narrative: System to enable analysis of tools/approaches by partners in completion, outcomes, employer satisfaction.

Expected Start: 10/01/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Work Team 3 will create toolkits for employer engagement in intake, success, and placement.

11/12/2015: Individual partner dashboards on participant results, as well as a single page summary of each college's focus or Statement of Work, have been created to allow for ongoing updates to schools and analysis of best practices for continuous improvement.

02/08/2016: Methodology of preliminary participant surveying was created, Employment Results Scorecard draft is under review, and the evaluation team conducted preliminary round of implementation evaluation interviews.

Deliverable ID: 10

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 10 Get Skills to Work

Narrative: Expanded adoption of Get Skills to Work and statewide tools for outreach/marketing

Expected Start: 06/01/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

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Notes: 08/13/2015: Work Team 2 will develop tools for outreach materials for Get Skills to Work and Boots to Business. Planned July seminar with Brent Weil from The Manufacturing Institute with a focus on Get Skills to Work.

11/12/2015: Based on updated information, OTN is focusing on engagement and service to veterans in general, not only under the Get Skills to Work brand or model. Veteran outreach and acceleration strategies are a primary focus for OTN.

02/08/2016: LCCC received a \$20,000 grant from the Manufacturing Institute, funded by Lockheed Martin, to replicate a manufacturing readiness program for veterans. The model will be shared and refined with OTN partners as it is rolled out.

Deliverable ID: 11

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 11 Safety enrollment system

Narrative: Dual enrollment system between OSH Training Institute coursework and community colleges established

Expected Start: 02/28/2015

Expected End: 09/30/2015

Actual Start: 02/15/2015

Actual End:

Notes: 05/07/2015: Preliminary discussions regarding scope of work for safety contractor.

08/14/2015: OTN contracted with subject matter experts to support project management related to deliverables for the safety education and training component, including engagement of industry partners for a statewide advisory council related to this component.

11/12/2015: Statewide Safety Industry Council launched. Representatives from OSHA, industry, workers comp, and education attended. Q4 focus includes compliance with OSHA rules for use of OSHA Training Institute curriculum and OER rules for TAACCCT.

02/08/2016: 2-year Occupational Safety degree courses were identified that align to competencies required of safety professionals.

Deliverable ID: 12

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 12 Safety Degree Pathway

Narrative: Articulated degree pathway and a professional certificate program

Expected Start: 02/28/2015

Expected End: 09/30/2017

Actual Start: 02/28/2015

Actual End:

Notes: 08/14/2015: Work Team 1, working with a statewide industry council comprised of subject matter experts, will assist in developing a Safety Degree Pathway.

11/12/2015: Statewide Safety Industry Council was launched to help design/create the Safety Career Pathway. Representatives from OSHA, industry, workers comp, and education attended. Partners

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also report embedding OSHA training into technical fields of study.

02/08/2016: Work on creation of 2-year Safety Degree is in process, driven by input of Statewide Safety Industry Council.

Deliverable ID: 13

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 13 Participant Outcomes

Narrative: Agreements in place with state and regional workforce leaders for coordinated tracking and reporting

Expected Start: 10/01/2014

Expected End: 09/30/2017

Actual Start: 01/01/2015

Actual End:

Notes: 03/20/2015: using Ohio's Workforce Case Management System

08/14/2015: OTN benefits from an extremely collaborative relationship that exists with our local WIB and state agencies. Our local WIB partner spearheads OTN's use of state systems for data management. This is critical to transformational change.

11/12/2015: Work continues with the State of Ohio and evaluation team to move forward on use of the states' case management system for Ohio TechNet as part of a workforce transformation agenda.

02/09/2016: Systems are in place for OTN to utilize the Ohio case management system; a data sharing agreement between Ohio Dept. of Job and Family Services and LCCC is in development.

Deliverable ID: 14

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 14 Best Practices Repository

Narrative: Repository of Ohio best practices and technical assistance

Expected Start: 06/30/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Work Teams will research best-practices relevant to team goals. During successful June Collaboration Meeting with consortium partners, resource sharing took place. Partners volunteered to develop repository.

11/12/2015: OTN uses SharePoint to share information, templates, best practices and links to important technical assistance. The OTN website will be an additional resource to share information with a broader audience, and OMCC is anticipated to complement this.

02/09/2016: OTN uses SharePoint as repository. To reach more colleges and career tech centers, OTN is working with the Talent Development Network to offer workshops at an April '16 conference. The OTN website and social media tools will further expand access.

Deliverable ID: 15

Status: Ongoing

Recipient: Lorain County Community College

Grant Number: TC-26435-14-60-A-39

Quarter Ending: 12/31/2015

Deliverable Type: Deliverable

Project Goal: 15 Replicate Boots-to-Biz

Narrative: Replicate Boots to Business SBDC program

Expected Start: 10/01/2015

Expected End: 09/30/2017

Actual Start: 01/05/2015

Actual End:

Notes: 08/14/2015: Work Team 2 will develop tools for outreach for Boots to Business. A spring Boots to Business workshop organized by LCCC with the SBDC was postponed due to low enrollment. LCCC is working to revise outreach strategies with veteran agencies.

11/12/2015: Rhodes State SBDC and Columbus State are looking to replicate Boots to Business program.

02/08/2016: Columbus State is reviewing opportunities to replicate Boots to Business and Zane State is planning a Boots to Business event which will take place in May 2016.

Deliverable ID: 16

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 16 Maker Movement White Paper

Narrative: White paper on Maker Movement initiative and implications for TAA/veterans pursuing self employment.

Expected Start: 10/01/2015

Expected End: 09/30/2017

Actual Start: 06/16/2015

Actual End:

Notes: 08/13/2015: Work Team 3 was launched and will support this deliverable. This team is charged to create a Maker Movement white paper. LCCC launched plan to host Ohio Makes conference in October 2015.

11/12/2015: Fab Lab in development at Zane. LCCC in process of expanding Advanced Technology Center to include Additive Mfg Lab and Digital Processes. Models from CCC's previous TAACCCT investment to create an additive manufacturing center leveraged.

02/08/2016: OTN has convened experts from partner schools to help develop this white paper.

Recipient: Lorain County Community College

Grant Number: TC-26435-14-60-A-39

Quarter Ending: 12/31/2015

E. Status of Progress and Implementation Measures

No strategies recorded

F. Key Issues and Technical Assistance Needs

Title	Description
Partnering with Workforce	OTN partners are sharing expertise and strategies that support strong partnerships with workforce partners, to assist those areas where those relationships are not as strong. Ohio has a number of excellent models for sector-based partnerships to inform our work.

G. Best Practices, Promising New Strategies and Success Stories

Best Practices and Promising New Strategies

1 Equipment Loan Program

Lakeland developed the Equipment Loan Program in response to financial barriers of welding students. This Program allows students eligible for financial aid to borrow against their account. The student applies, signs a Promissory Note and Release of Information, and upon determination of eligibility, students are directed to specified vendor to obtain up to \$200 in equipment. Lakeland is then invoiced for the equipment and debits the student's account in the amount of the equipment obtained.

2 Financial Aid & Student Success

Lakeland received ODHE approval for an "under one year" welding certificate which is stackable to an Associate's degree in Technical Studies in Industrial Welding. Students seeking to complete the technical classes and obtain employment as their short-term goal are in need of financial aid. Lakeland has requested approval for the usage of financial aid for this short term program. Eliminating financial barriers will maximize student success.

3 Manufacturing Month

October presented OTN with opportunities to connect with new employers and re-connect with existing employer partners in planning of Manufacturing Month events. Positive results include: Zane State employers committing to interview students upon graduation from the Industrial Maintenance program and Sinclair's work with the Dayton Regional Manufacturing Assoc. to produce an engaging video promoting MFG Day which expands their employer reach: https://www.youtube.com/watch?v=QIt0Vux1_3w

4 Collaboration with Tech Center

Cincinnati State is works with Butler Tech to co-enroll their students in a Welding program and will secure and provide a Virtual Welder to enhance the students' learning experience. LCCC works

closely with the local adult career center including collaborative program development for accelerated training, and offering credit-bearing programs onsite at the adult career center. OTN partners are involved in skills-based hiring initiatives in advanced manufacturing with other training providers.

5 Advanced Manufacturing Center

SSC is in process of re-inventing the Advanced Manufacturing Center which includes the implementation of new machining equipment purchased with TAACCCT funding, and additive manufacturing funded by other initiatives. These initiatives will offer an opportunity for training and education in manufacturing technologies including the basic and advanced machining and CNC machining training. This provides many of the required skills needed by local manufacturing companies to recruit skilled employees.

Success Stories

1 Bringing Math Alive

Rhodes has developed a model that uses competency-based learning in algebra. In the fall, students working with 3 X 3 systems of linear equations utilized an online graphing program and 3-D printer to give a visual representation of their equations rather than simply drawing them. The AutoCAD and Algebra instructors worked together to give the students a more hands-on experience, and plan to use this model in subsequent semesters

2 Manufacturing Pilots

Sinclair and Lorain are planning manufacturing training pilots, leveraging funds from other sources. Sinclair will utilize National Emergency Grant Funds to launch their pilot, and Lorain will use a grant through the Manufacturing Institute. Both pilots will serve as a pipeline to grant-affected advance manufacturing training.

3 Outreach Refinement

OTN has refined its outreach strategies. Lakeland has utilized relationships with public and private social service providers to assist in outreach, in addition to internal resources. Columbus has benefited from similar outreach, which has opened doors for additional partnership opportunities. Sinclair has pioneered the use of online resources, creating multiple videos to attract students to advanced manufacturing training programs.

4 Internship Placement

Several OTN partners have developed internship programs with employers. These allow students to gain on-the-job experience and promote student success and completion. 9 students at CCC and LCCC were chosen for internships with local employers.

5 Right Skills Now

Replication of the national, accelerated machining training Right Skills Now model has proven successful. CCC initially used this model, partnering with a local workforce partner and large employer. LCCC partnered with our local manufacturing extension partner, several smaller employers, workforce partners, and a local career technical center in their pilot. SSC also plans to pilot this program partnering with multiple employers and workforce partners.

H. Additional Outcome Information

A distinct impact of this grant is the opportunity for Ohio colleges, working with state, national and industry leaders, to impact systemic change that is consistent with the intent of the TAACCCT initiative. The opportunity to play a significant partnership role in the emergence of the Ohio Manufacturing Careers Council is instrumental to this progress. Additionally, this investment has enhanced services to program participants, providing advising and support services that are key to success for our target audience. Further, OTN is on track to meeting Year 2 participant outcome targets, reaching 27 percent of the total participant goal within the first quarter of the programming year.