

Recipient: Lorain County Community College

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

Quarter Ending: 06/30/2016

**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:

06/30/2016

Date of Submission:

08/15/2016

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A. Quarterly Summary for Grant Activities

In response to the TAACCCT Round 4 Single State Consortium Grantees Employment Results Scorecard Guidance, Ohio TechNet (OTN) has opted to continue developing an Employment Results Scorecard within the period of performance. OTN's data sharing agreements allow the transfer of data more than once per year and we are able to track employment progress via an agreement with Ohio Education Research Center at Ohio State University. Working in partnership with LIFT, OTN, and state agencies, the Ohio Manufacturing Careers Council (OMCC) continues to take shape. The co-chair of OMCC's Education Committee facilitated distribution of a statewide employer survey designed to identify companies interested in launching/expanding Registered Apprenticeships and verifying Core Competency Requirements for NIMS Certified Tool & Die Maker which garnered 45 responses. Additionally, in response to an RFP issued on behalf of OMCC, a firm was selected to develop a manufacturing image campaign for Ohio. Employer engagement continues to flourish within the consortium, as 241 employers now support OTN by providing input to partner colleges to address the skills gap with a goal of hiring participants. Partnering with professional organizations has aided in the compilation & completion of additional employer surveys. Enhanced outreach efforts such as social media campaigns and local news stories created an uptick in interest in OTN programs. In addition to connecting to candidates via OhioMeansJobs Centers, OTN schools work with nonprofit organizations such as the Urban League. Ohio continues to be impacted by layoffs, particularly within the steel industry. OTN is responding

to this by working closely with Ohio Dept. of Jobs & Family Services to connect with TAA-certified individuals and also veterans. Prior Learning Assessment (PLA) is progressing as OTN partnered with Ohio Department of Higher Education (ODHE) to convene focus groups for review of a newly-created PLA portfolio rubric. Additionally, officials at multiple state agencies have a heightened interest in OTN's progress as evidenced by ODHE's Assistant Deputy Chancellor for Economic Advancement's participation on OTN's weekly consortium calls. Note: OTN schools include Columbus (CSCC), Cincinnati (CSTCC), Cuyahoga (CCC), Eastern Gateway (EGCC), Lakeland (LCC), Lorain (LCCC), Owens (OCC), Rhodes (RSC), Sinclair (SCC), Stark (SSC), Zane (ZSC).

B. Status Update on Leveraged Resources

Provide an update on the organizations that contributed the resources:

RSC and Center for Innovative Food Technology (CIFT): personnel costs (\$3,025). Ariel Corp: equipment (\$97,505). BESSEY Tool: supplies (\$1,900). State of Ohio: capital funds (\$147,531.99). Cincinnati State Foundation: capital funds (\$50,000). Progressive Powder Coating: supplies (\$200). Gene Haas Foundation: equipment/scholarships (\$45,000). SCC: (\$22,694.71). LCC: Welding Advisory Committee (\$3,600). The following unclaimed indirect costs were leveraged by OTN partner schools: CSTCC: \$13,885.06, CCC: \$14,935.68, EGCC: \$16,420.52, LCC: \$29,519.82, LCCC: \$45,344.30, OCC: \$7,195.17, RSC: \$15,645.37, SCC: \$21,054.83, ZSC: \$11,162.34.

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

Unclaimed indirect costs support admin services vital to grant deliverable attainment. Cincinnati State Foundation and State of Ohio funding was used to renovate CSTCC Welding Lab. BESSEY Tool and Progressive Powder Coating supplies were used in LCC's welding program. Personnel costs were incurred for ongoing engagement with CIFT and RSC's TechNet Steering Committee. Ariel Corp. funding was used to purchase equipment for SSC's machining programs. Gene Haas Foundation contributed \$20,000 for machining scholarships at SSC and, at OCC, \$15,000 for mfg scholarships and \$10,000 for equipment. SCC: Co-director in-kind (\$2,694.71); Round 2 TAACCCT: creation of reports & data collection (\$20,000).

Comments:

OTN is having success in braiding funding from the State of Ohio and from various other funders to enhance the impact of this TAACCCT initiative.

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

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

In Q7, required employers supported OTN in at least one of the following ways: participated in program/curricular design (CD), shared data on openings, skills and credentials (SD), helped implement program strategies (IS), participated on advisory panels (AP), and/or participated on the Ohio Manufacturing Careers Council (OMCC). Specific roles are outlined below.

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

AJ Rose: CD, OMCC. Air Technical: SD. Autogate: IS. Bettcher: CD, SD, OMCC. Bob Evans: SD. Clark Reliance: IS. Dana: CD. Dannon: SD. Diamond Products: SD. F&P: SD. Gasdorf: AP. General Plug: IS. Lincoln Electric: CD, SD, AP, IS. Nordson: IS. Proctor & Gamble: SD. Quanex: SD, AP. Rudolph: SD, AP. SCT: CD, IS. Seaway Bolt: IS. SGS Tool: AP.

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

OTN colleges reported a hesitancy of employers to pursue direct hire of students without experience. As a solution, OTN schools encouraged employers to hire interns to provide needed experience via accelerated programs such as Right Skills Now. Additionally, the Ohio Manufacturing Careers Council's Education & Skills Work Team is focusing on increasing the number of registered apprenticeships statewide, researching a variety of apprentice-sponsorship models to expand on-the-job training options.

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

In Q7, OTN added 66 new employers. These new partners and existing employer partners made new commitments, including: donation of supplies, participation in program/curricular design, hosting of paid work experiences, sharing data on openings, skills and credentials, helping implement program strategies, giving consideration/hiring program completers, participation on advisory panels, hosting site tours, and/or participation on the Ohio Manufacturing Careers Council.

Comments:

Lincoln Electric and BESSEY Tools provided notable support in Q7. BESSEY collaborated on the filming of a Welding Career Awareness video for LCC and they made a donation of supplies. Lincoln Electric contributed to the development of online curriculum, sponsored an outreach event, participated on advisory panel discussions, and assisted in the development of an Industrial Welding Workforce Survey.

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:

Equipment and renovations funded by this grant are positively impacting the growth of OTN. In Q7, CSTCC completed renovation of the Welding Lab, offering 12 welding booths and 3 virtual welders. ZSC held the Grand Opening of their Fab Lab. At SSC, the TAACCCT equipment investment led to an employer commitment to purchase additional CNC machines which will be used to meet advanced technology needs, specifically the use of conversational software implemented into the control functions of machines. The OTN Evaluation team conducted implementation interviews with OTN project managers, which is a key component of grant evaluation. LCC is offering Credit by Certification through Prior Learning Assessment for Lincoln Electric Comprehensive Welding Program completers and those with AWS certification. SCC continues progress with CBE, completing a Tooling U SCORM integration into D2L for new CBE courses. SCC also created a process for automatic articulation of academic credit, which will be executed when a student completes a non-credit certificate level of SkillsTrac Industrial Maintenance. Faculty continue to expand subject knowledge by receiving additional training and credentialing. Bridging on LCC's Q6 success, CCC obtained financial aid approval for short-term programs. LCCC, CCC and LCC collaborated to meet with the TAA director in the region. Results of this meeting will positively impact the consortium. The OTN website launched in Q7: www.ohiotech.net.org. Ohio Manufacturing Careers Council (OMCC) met several times in Q7 and their work will positively impact OTN's employer engagement processes. In order to build the manufacturing talent pipeline and serve transitioning adults who have a need for remediation, several schools are developing or have launched a Manufacturing Readiness program. LCCC launched another Right Skills Now cohort and continues to develop the Train OH model with the support of six employers.

How many programs are you planning to offer?

5

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

4

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Quarter Ending: 06/30/2016

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.

05/13/2016: OTN supported Ohio Manufacturing Careers Council, providing coordination assistance for the Education/Skills Work group. ODJFS, ODHE, and ODVS provided updates and feedback at Q6 in-person OTN convening.

08/15/2016: LCCC president presented to OTN presidents. Facilitation of OMCC included assisting with Image Campaign RFP and developing an employer survey. Collaborated with State of Ohio to hire a consultant to finalize the PLA Portfolio Rubric for the State.

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.

05/13/2016: OTN is working with State of Ohio to help finalize the state's PLA portfolio rubric. LCC and RSC awarded PLA credit. OTN attended TAACCCT convening and obtained additional PLA resources which will be utilized to enhance PLA in Ohio.

08/15/2016: Welding course at CSTCC now includes 6 math modules that are contextualized. CCC has also included contextualized math in welding course. ABLE program offered to develop remedial math programs at LCC.

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.

05/13/2016: University System of Ohio Talent Development Network (USO TDN) is helping OTN enhance relationships with Ohio's career technical colleges. In Q7, OTN will present at the USO TDN, PACE and OAACE conference which targets career technical colleges.

08/15/2016: OTN presented at a statewide career technical college conference. Articulation agreements are increasing. CSTCC has a co-enrollment agreement with Butler Tech.

School-sponsored DOL Registered Pre-Apprenticeship program at RSC is being developed.

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

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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).

05/13/2016: OTN schools have worked with industry partners to develop curriculum and OJT opportunities. LCC worked with Lincoln Electric to develop Workforce Needs Survey. Many OTN employers are helping guide the work of the Ohio Manufacturing Careers Council.

08/15/2016: Employers are increasingly involved in curricular design. This is particularly significant in accelerated models such as Right Skills Now and Train OH. Also, OMCC worked with employers to develop employer survey.

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 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.

05/13/2016: OTN schools have launched programs that incorporate Competency Based Education (CBE). RSC is developing CBE curriculum in Industrial Maintenance relating to Food Technology. SCC has initiated CBE conversion for Machining.

08/15/2016: CBE Course conversion is underway, with three additional courses being piloted in the fall at SCC.

Activity ID: 6

Status: Ongoing

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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.

05/13/2016: Ohio Dept of Veteran Services presented to OTN project managers in January. LCCC continued to work with NEOVETS, engaging employers for training. PLA credit guidelines were developed, which will allow veterans to receive credit for prior training.

08/15/2016: OTN colleges continue to prioritize veteran outreach. ZSC added a veteran's resources link to their homepage. CCC distributed an OTN program flyer to 600 veterans who are current students.

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 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.

05/13/2016: LCCC evaluated subject matter experts in preparation of curriculum launch in Fall 2016, and secured personnel to develop curriculum and continues to engage Statewide Safety Industry Council.

08/15/2016: Three courses have been developed this quarter. LCCC has initiated conversations with

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CCC to collaborate on the Safety program to leverage its successful partnership for offering students dual enrollment with an OSHA Education Center.

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.

05/13/2016: OTN schools continued to work closely with workforce partners to recruit participants, obtain tuition funding, support case management, encourage co-enrollment, and host events.

08/15/2016: Collaboration with local OMJs continues to strengthen; OMJs have assisted in program outreach, recruitment, and with funding tuition for OTN programs.

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.

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.

05/13/2016: OTN presented to chief academic officers at an Ohio Association of Community Colleges meeting which focused on Student Success. This work is key to the sustainability of the OTN initiative.

08/15/2016: Welding orientation was offered to help onboard students at CSTCC, and advising and tutoring services were delivered to improve outcomes at CSCC.

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.

05/13/2016: OTN schools continue to work with local Small Business Development Centers to develop entrepreneurship programs and talent planning sessions. CCC met with LCCC's SBDC Director to share best practices. ZSC is planning a veteran entrepreneurship event.

08/15/2016: OTN staff collaborate with Small Business Development Centers to highlight entrepreneurship training. LCCC hosted CCC for a meeting with the SBDC and worked with Ohio SBDC on a proposal to expand self-employment services for dislocated workers.

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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.

05/13/2016: OTN is working with CSTCC to pursue IRB approval.

08/15/2016: As of Q7, CSTCC's IRB protocol had been drafted and consent forms were completed. This IRB process continues.

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.

05/13/2016: OTN continues to work to develop and execute a data sharing agreement between LCCC and Ohio Dept of Job and Family Services.

08/15/2016: OTN and LCCC are collaborating with Ohio Department of Jobs and Family Services

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for the creation of a data sharing agreement, which will allow OTN participant data to be tracked in the Ohio Workforce Case Management System.

Deliverable ID: 3

Status: Complete

Deliverable Type: Deliverable

Project Goal: 3 Website launch

Narrative: Ohio Tech Net website launch

Expected Start: 10/01/2014

Expected End: 09/30/2017

Actual Start: 10/01/2014

Actual End: 06/30/2016

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.

05/13/2016: Website is currently under development, and expected to launch Q7.

08/15/2016: www.ohiotech.net.org launched in Q7. Website will be enhanced as needed.

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.

05/13/2016: CBE survey distributed, and initial results analyzed. PLA benchmark survey is in development. OTN is researching the CBE and PLA programs developed in prior TAACCCT rounds as we integrate acceleration into program design.

08/15/2016: Benchmarking of OTN programs continue. In Q7, the evaluation team conducted implementation interviews with each school to assess progress and identify any gaps.

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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 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.

05/13/2016: OTN continued to develop framework for annual inventory of strategies. Strategies gathered will be shared on OTN website, as this launches.

08/15/2016: Strategies were consistently shared during weekly consortium meetings and weekly consortium update emails; several have been replicated throughout the consortium (e.g. Revolving Loan, project update, Haas scholarship).

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.

05/13/2016: OTN continues to develop toolkits. These will be posted on OTN website as developed, and as website is launched.

08/15/2016: Site map for OTN's new website includes a section for toolkits; this page will be launched in Q8.

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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.

05/13/2016: OTN is working with industry partners and Ohio Manufacturing Careers Council to identify career pathways, which can enhance the efforts currently underway at Ohio Dept of Education. ODE career pathways expert presented to OTN via webinar in Q6.

08/15/2016: Research for the replication of Colorado Helps Advanced Manufacturing Program (CHAMP) consortium site (cocareeractiontools.com) is underway. State of Ohio has expressed interest in learning more about this TAACCCT-funded model.

Deliverable ID: 8

Status: Ongoing

Deliverable Type: Deliverable

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.

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05/13/2016: Materials for employer engagement are in development. Processes for replication will be documented in Q7.

08/15/2016: OTN is helping in facilitation of the Ohio Manufacturing Careers Council (OMCC). Industry feedback via OMCC will be incorporated into the development of outreach, career advising and employer engagement 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.

05/13/2016: Quarterly reports and data templates were modified to better collect information on programs and participants. OTN is working with the evaluation team to consolidate employer outcome tracking.

08/15/2016: Quarterly institutional reports have expanded to collect more employer information. Additional information will be collected in exit surveys. Outcomes prediction tool will be developed in Q8.

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

Actual End:

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

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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.

05/13/2016: LCCC has developed manufacturing readiness program, and plans to launch the first cohort in Q7. Outreach to veteran organizations is underway in order to include vets in this cohort.

08/15/2016: Zane worked with SBDC on Reboot-to-Business event.

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.

05/13/2016: OTN is re-evaluating its approach to achieving this goal and will continue dialogue with OTI and ETA along with our industry and educational partners.

08/15/2016: LCCC met with CCC to explore leveraging its success creating a dual enrollment process for students, working with an OSHA Education Center. Collaboration is also in development for the recruitment and credentialing of instructors & joint marketing.

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 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.

05/13/2016: OTN has developed the course outline for a 2-year Safety degree, and received LCCC curriculum council approval. Content development is underway and state/HLC approval will be pursued.

08/15/2016: Pathway is in development. Three courses have been completed this quarter, working with subject matter experts and designed to align to both academic requirements and OSHA learning outcomes.

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.

05/13/2016: OTN continued to work with Ohio Dept of Job and Family Services to develop and execute data sharing agreement which will allow usage of the Ohio Workforce Case Management System to track OTN data.

08/15/2016: LCCC sent requested information to Ohio Dept. of Job and Family Services, which will be used to draft data sharing agreement between department and LCCC.

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

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Quarter Ending: 06/30/2016

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.

05/13/2016: OTN continued to use SharePoint as a repository for best practices and technical assistance.

08/15/2016: Site map was created for website, which includes best practices and technical assistance sections. These pages will be launched in Q8.

Deliverable ID: 15

Status: Ongoing

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.

05/13/2016: CSCC and LCCC continued to work with local SBDC's to determine steps for the replication of a Boots to Business type of program. ZSC continued to work with local SBDC to plan Reboot for Business event.

08/15/2016: ZSC hosted Reboot to Business event, working with local SBDC.

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

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Quarter Ending: 06/30/2016

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.

05/13/2016: OTN continued to collect information to be used in this White paper.

08/15/2016: OTN partners are engaged in significant activity related to the Maker Movement, both new facilities and integration of new technology and teaching strategies into programs of study. These activities inform the development of the white paper.

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

Quarter Ending: 06/30/2016

E. Status of Progress and Implementation Measures

No strategies recorded

F. Key Issues and Technical Assistance Needs

Title	Description
Safety Program/OSHA	LCCC has hired a part-time Occupational Safety professional to support the development of OTN's Safety program. The program launch has been delayed due to issues with developing a co-enrollment model with an OSHA Education Center. A specific challenge is locating qualified instructors that meet both academic and OTI trainer requirements. An expanded partnership with CCC that leverages a model developed there with an environmental health program offers a path for addressing these challenges.
Flex Labs	To minimize challenges in launching an open lab, SCC grant staff traveled to Ogden-Weber Technical College to benchmark the operation of a machining flex lab with online CBE learning. Takeaways from this visit will be shared with consortium in Q8.

G. Best Practices, Promising New Strategies and Success Stories

Best Practices and Promising New Strategies

1 Articulation

OTN colleges have worked to obtain articulation agreements for grant programs with career technical colleges and universities, solidifying career pathways for students. Of note, CCC renewed a previous articulation agreement which allows, via dual registration, ten STEM students per semester who are taking at least 2 CCC classes to complete up to 8 free STEM classes at Case Western Reserve University. This is a fabulous incentive for those who are working toward a Bachelor's degree.

2 Math Remediation

OTN employer partner, Dana Manufacturing, desired resources to improve the skills of their associates to prepare them for apprenticeships. Through departmental collaboration, RSC provided a Math Bootcamp to prospective apprentices at Dana. Bootcamp consisted of an initial placement test and online curriculum designed to support individual student's math development needs. Sixteen people attended the Bootcamp. There was an average of a five point improvement in participant's Compass Math score.

3 Partnerships with Econ Dev

RSC initiated conversations with the Wapakoneta Area Economic Development Council to understand workforce needs of Golden Fresh Farms, which is beginning a \$100 million development of greenhouses in the region. RSC accompanied Ohio Dept. of Jobs and Family Services to Kingsville, OH to learn about the workforce needs of the new Ohio location. Workforce of the high-tech facility will be well-served by training available via RSC's new Food Technology TAACCT programs.

4 Workforce Roundtable

CCC hosted a welding workforce roundtable discussion, which attracted employer partners and local community resource partners. Discussion centered on course and program curriculum. This provided an informal avenue for community, education, and industry to engage with one another and to provide feedback and make requests. Further, as a result of this discussion, CCC was able to increase its employer partner list by 50%.

5 Ohio Mfg Careers Council

Job-driven training requires strong collaboration with employers. Translating local success into systemic change that impacts state policy and ongoing approaches to educational innovation requires leaders from industry willing to partner with leaders from government and higher education. The OMCC, supported by LIFT, Ohio TechNet and Ohio, creates the infrastructure for this collaboration, organized around industry-led teams for Image & Outreach and Education & Skills.

Success Stories

1 Veteran/TAA Worker Success

Mr. G, a US Army veteran, worked at a manufacturing company in Zanesville for two years until he was laid off. Due to the layoff, he was eligible for TAA funding and pursued a degree at Zane State College. He double majored in ISET and Welding, and graduated in May 2016 with two degrees. He was on the dean's list every semester and graduated Summa Cum Laude with a 3.958 GPA. Shortly following graduation, he was hired by an Ohio TechNet employer partner.

2 Pay Increase for Completer

Mr. M completed technical welding courses at Lakeland in May 2016 and was quickly hired as a welder fabricator at a local manufacturing company, earning \$15/hr - a considerable increase from his previous \$10.50/hr wage. M was thrilled to secure this position with "a good company, nice people, and great pay!" M also thanked instructors for "not just teaching [him] the art of welding – but also passing on great life lessons that will help [him] become more successful as [he] grows in the trade!"

3 Nat'l Skills USA Competition

Lakeland welding students competed in Louisville, KY in June 2016. Two students placed within the top 10 in this national competition, which included 100 secondary and post-secondary educational institutions nationally – including 4 year institutions. The competition included demonstration of: technical skills, welding theory, resume prep and an interview. Both now qualify to compete to go to the World Competition in Abu Dhabi in 2017.

4 Equipment/Supply Donations

OTN schools continue to simultaneously enhance partnerships with employers and the quality of TAACCCT programs. In Q7, several employers donated supplies and equipment for the use in TAACCCT programs. Particularly notable, Ariel Corp. provided SSC with funds to purchase equipment which complements their TAACCCT equipment for programs that directly align with industry needs.

5 Competency-Based Education

CBE programming at SCC continues to flourish. Three additional CAM courses have been converted to CBE and are ready for fall 2016 delivery. D2L has been integrated into Tooling-U SCORM for these courses. Impressed with Sinclair's CBE delivery mode, the Vice Chancellor of the Ohio Department of Higher Education invited Sinclair students and staff to a lunch meeting to discuss program design and results.

H. Additional Outcome Information

OTN continues to advance on target to reach performance outcome metrics - expanding to serve approximately 800 participants as of Q7. In addition to participant enrollment, OTN has emphasized student success. This is evidenced as Student Navigators work closely with OTN participants to encourage completion and facilitate placement. Navigators engage in intrusive advising, routinely communicating with students in-person and via email and phone. Additionally, select Navigators have engaged in distinguished training to enhance their coaching skills. Planning for further Navigator training is underway and is anticipated to occur in subsequent quarters.