

Recipient: Lorain County Community College

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

Quarter Ending: 09/30/2016

**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:

09/30/2016

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11/14/2016

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A. Annual Summary for Grant Activities

Ohio TechNet (OTN) is an Advanced Manufacturing consortium with 5 programs: Welding, CNC/Machining, Industrial Maintenance, Digital Fabrication/Industrial Automation, Occupational Safety. 4 programs have launched, the Safety program will launch in Y3. 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). OTN continues to partner with key state agencies (Governor's Office of Workforce Transformation, Ohio Dept of Higher Ed (ODHE), Ohio Dept of Job & Family Services) and national organizations (Manufacturing USA, LIFT, NextFlex). Enhanced engagement with OhioMeansJobs and other community organizations has expanded program recruitment and enrollment. Collaboration among consortium colleges includes shared software and faculty training. Project staff attended national conferences and TAACCCT webinars to integrate lessons learned from other TAACCCT projects. OTN schools worked with community partners to plan Manufacturing Month events. In Y2, targeted outreach resulted in the enrollment of 46 additional TAA workers in OTN training. TAACCCT grant has encouraged the embedding of industry-recognized credentials into curriculum and to facilitate this process, OTN faculty obtained NIMS, AWS, SME, FANAC and other credentials. In order to accelerate readiness, Contextualized

Math is offered via a hybrid model at multiple OTN schools and RSC's career navigator created a Basic Computer Skills class for incoming apprentices. OTN is working closely with ODHE to expand PLA by supporting creation of a PLA portfolio rubric; OCC integrated PLA into machining and welding. Small Business Development Centers throughout the state have collaborated with OTN. Two examples include creation of a training video (LCCC and ZSC) and shared coursework (RSC). LCCC's OTN lead team conducted 2 monitoring visits in Q8 (CSTCC & ZSC) and we were excited to see the TAACCCT-funded equipment, meet with faculty, administrators and students who have benefitted from this grant. In Q8, LCCC and SSC received certified military employer designation from NEOVETS. CCC plans to review local VA-approved apprenticeships to expand veteran apprenticeship opportunities and contact student vets to re-evaluate transcripts with the hope of awarding additional PLA credit due to Ohio's expanded MTAG list.

B. Status Update on Leveraged Resources

Provide an update on the organizations that contributed the resources:

Component Repair Technologies: titanium scrap donation (\$5,500). Lakeland Welding Advisory Committee: member salary (\$525). North Star Blue Scope Steel: steel donation (\$22,500). Honeywell Exothermic: stainless steel donation (\$10,000). SCC: in-kind salary (\$2,477.74). Timken Foundation: capital funding (\$116,000). The following unclaimed indirect costs were leveraged by OTN partner schools: CSTCC: \$13,571.07; CCC: 13,160.87; EGCC: \$23,557.41; LCC: \$22,605; LCCC: \$38,226.12; OCC: \$8,373.25; RSC: \$14,893.24; SCC: 15,736.57; SSC: \$64,744.18. ZSC: \$24,609.18.

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. Titanium scrap was used in Lakeland welding lab. Lakeland Welding Advisory Committee member salary was used to contribute to the growth and development of the Industrial Welding Program at Lakeland. Steel donations were used in welding programs at Owens. In-kind salary of Co-Directors at Sinclair was used to advance project goals. Capital funding was used to purchase and install machining equipment at Stark.

Comments:

OTN works with partner schools to identify ways they are using funds from various sources to meet talent and technology needs of companies in the advanced manufacturing space. This identification has led to opportunities for cross-team collaboration within institutions to ensure that TAA workers, veterans and other displaced adults benefit from these investments.

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.

In Q8, required employers supported OTN in at least one of the following ways: participated in program/curricular design (CD), hosted paid work experiences (PW), shared data on openings, skills and credentials (SD), provided input on career pathways (CP), gave consideration to program completers (CPC), participated on advisory panels (AP), hosted site tours (T), 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.

Advanced Design: SD,CP,CPC,OMCC. Lincoln Electric: CD,CP,AP. Air Tech: CD,AP. Clark-Reliance:SD. General Plug:PW. Nordson:PW. Jerl: CD,SD,CP,AP. Kern-Liebers: SD,AP. Bob Evans: CD,PW,SD. Dana Auto: CD,SD. Dannon:SD. Gasdorf: SD,AP. Koneta:SD. P&G:CD,PW,SD,T. Rudolph: CP,T. Dayton Lamina: SD,CP,CPC,AP. Enginetics: CP,AP. F&P: PW,SD,CP. SGS Tool: SD,CP,CPC,AP. Bi-Con: CD,CP,CPC,AP. Island Aseptics: AP,OMCC. Patriot:AP. Pioneer Pipe: CD,CP. Quanex: CD,SD,CP,CPC,AP,T,OMCC. US Bridge: CD,CP,AP.

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

CSTCC has concerns on placement of welding students, due to limited openings in the region. Based on Burning Glass data, in Q8, the Cincinnati MSA had only 24 Welding postings in the Manufacturing sector. OTN plans to troubleshoot within the consortium to identify employers that are not currently posting to job sites. OTN lead team will organize talent planning sessions in the near future.

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

OTN currently has more than 260 employer partners. In Q8, 25 partners were added. New and

existing employer partners made new commitments: participation in program/curricular design; hosting of paid work experiences; sharing of data on openings, skills and credentials; providing input on career pathways; giving consideration to/hiring program completers; participating in advisory panels; hosting of site tours; participating on OMCC; consideration to include their company on the OTN site.

Comments:

Lincoln Electric (LE) continues to partner with CCC and LCC. In Q8, LE discussed providing reduced cost of sharing space/equipment for CCC's welding students, invited LCC faculty to workshop, and LE executives toured LCC's welding lab and discussed LCC's welding curriculum. First Energy employees offered to substitute teach at LCC. Employers helped with outreach videos for CCC and SCC: Dysinger, Alloy Bellows, F&P America. Quanex and Detroit Diesel invited ZSC to speak to employees regarding their welding program. Relationships with industry associations have been leveraged, as Alliance for Working Together assisted in the dissemination of the LCC's 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:

In Q7, an online survey designed to assist in developing a strategy for integration of industry-identified, relevant skills in manufacturing education delivery and creating on-the-job training programs such as apprenticeships was emailed to members of the Cleveland National Tooling & Machining Association (NTMA) and the Precision Metalforming Association (PMA); in Q8, OTN compiled the survey results to assist the Ohio Manufacturing Careers Council (OMCC), an industry-led initiative created by the Ohio Department of Higher Education and Lightweight Innovations for Tomorrow (LIFT), in partnership with OTN and the Ohio Governor's Office of Workforce Transformation to further develop manufacturing career pathways and ensure a constant supply of well-trained workers; all NIMS Tool & Die advanced competency areas were rated as valuable or extremely valuable by 80% or more of the participants; data will also be useful in creating a standardized Manufacturing Foundations course to prepare individuals for entry-level manufacturing careers. OTN designated RSC to lead expansion of Registered Apprenticeships

among interested OTN partners. Q8 apprenticeship progress includes: RSC helped Dana Corp revise Machine Repair and Toolmaker Registered Apprenticeship related instruction and applied for designation to become a school sponsor for registered apprenticeships in partnership with Omni Manufacturing; Lincoln Electric discussed partnering with CCC to create a hybrid Robotic Welding Apprenticeship. OCC and ZSC have hybrid welding programs which may be helpful in modeling CCC's apprenticeship if needed. Lincoln Electric also partners with LCC to enhance U/LINC curriculum. CBE courses are meeting industry demand: Dayton Progress committed to hiring SCC's Accelerate MFG graduates at an advanced pay rate and hopes to enroll employees in CBE courses. LCCC launched a pilot of TRAIN OH, a MEMS-focused program that integrates 2 day/week classroom training with 3 day/week OJT.

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: 09/30/2016

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.

11/14/2016: Manufacturing Day planning. RSC working with local MEP to develop programs. Manufacturing USA, JobsOhio and State of Ohio collaboration advances.

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.

11/14/2016: LCCC, LCC, CCC, ZSC, CSTCC utilizing various strategies for tech math and remediation including partnering with Jobs for the Future and ABLE, utilizing Course Skills Mastery and Online Math Adaptive. PLA work with State of Ohio is progressing.

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.

11/14/2016: RSC: registered apprenticeship program with Omni Manufacturing; revised Dana Corp's Registered Apprenticeship Related Instruction. LCC: articulation with career tech. CSTCC: collaboration with career tech ctrs. CCC: enhanced articulation with CWRU.

Activity ID: 4

Status: Ongoing

Activity Type: Activity

Project Goal: 2.3 Strengthen Employ 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).

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.

11/14/2016: Expanded employer engagement via Lucas County Department of Planning & Development (OCC); Alliance for Working Together (LCC). Ohio Manufacturing Careers Council meetings. Website was enhanced to include listing of employer partners.

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

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Quarter Ending: 09/30/2016

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.

11/14/2016: Successful integration of online ToolingU platform into SCC's E-Learn system for CAM CBE courses; SCC completed conversion of all basic machining courses to CBE; began piloting final group of courses.

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.

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.

11/14/2016: CCC's subaward agreement is being increased to recognize leadership in veteran outreach. Ohio's expanded MTAGs will benefit OTN vets. OTN helped NEOVETS schedule roundtable discussions with student veterans about regional veteran services available.

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

11/14/2016: Strong progress has been made by leveraging the partnership with CCC, which has a highly innovative and successful partnership with Great Lakes OSHA Education Center headquartered at the University of Cincinnati.

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

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Quarter Ending: 09/30/2016

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.

11/14/2016: LCC Welding training approved by Workforce Investment education and training site. Drawing on KY FAME and CSCC's successful Honda partnership, LCCC launched TRAIN OH; OhioMeansJobs center recruited a diverse participant pool for TRAIN OH.

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.

11/14/2016: SCC partners with LCCC and SSC to lead Ohio's Completion by Design (CBD) cadre. In Q8, OTN created a roundtable presentation re: intersection of CBD and TAACCCT to be presented at Oct '16 NCWE Conference.

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.

11/14/2016: LCCC and ZSC Small Business Development Centers (SBDC) collaborated in the development of a series of videos for entrepreneur veterans.

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.

11/14/2016: IRB approval is in progress for CSTCC. Third-party evaluator has addressed IRB committee concerns.

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.

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

11/14/2016: OTN works to finalize Data Sharing Agreement with Ohio Dept of Job and Family Services to allow Ohio TechNet's utilization of 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.

11/14/2016: Ohio TechNet website was enhanced via the launch of additional pages for Employers and Technical Assistance.

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.

11/14/2016: Third-party evaluator prepared project overview, which detailed progress on OTN goals and metrics.

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).

11/14/2016: OTN hosted a webinar featuring Columbus State's partnership with Honda which resulted in creation of a successful Earn and Learn model. Honda would like to help colleges replicate this model statewide.

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.

11/14/2016: LCCC enhanced Right Skills Now toolkit and is in the process of creating a toolkit for replication of a Manufacturing Readiness program developed in the Mahoning Valley. This work is supported by OTN and LIFT.

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.

11/14/2016: CCC is planning a Nov '16 event in collaboration with Achieving the Dream.

Deliverable ID: 8

Status: Ongoing

Deliverable Type: Deliverable

Project Goal: 8 State wide templates

Narrative: Templates and mats 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.

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.

11/14/2016: LCCC's graphic designer creates templates as requested.

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.

11/14/2016: Employment Results Scorecard template was developed, and will be issued as sufficient employment data is available.

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 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.

11/14/2016: Schools continue to prioritize veteran engagement. As of Q8, approximately 5 percent of OTN participants were veterans.

Recipient: Lorain County Community College

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

Quarter Ending: 09/30/2016

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.

11/14/2016: With a dual enrollment system, LCCC must have a partnership with an OSHA Education Center; good progress has been made. In the coming quarter, LCCC will issue a new request for proposals to seek an Education Center partner.

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.

11/14/2016: Offering dual enrollment requires that instructors meet both academic and OSHA qualifications. This increases the challenge of instructor recruitment. LCCC and CCC are working together to maximize shared use of instructors at both institutions.

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.

11/14/2016: OTN works to finalize Data Sharing Agreement with Ohio Dept of Job and Family Services to allow Ohio TechNet's utilization of the Ohio Workforce Case Management System.

Deliverable ID: 14

Recipient: Lorain County Community College

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

Quarter Ending: 09/30/2016

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.

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.

11/14/2016: Technical Assistance page on Ohio TechNet website has launched. Ongoing use of SharePoint for resource sharing and TA materials.

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.

11/14/2016: SBDC at LCCC is planning for a veterans' entrepreneurship training session in November.

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.

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.

11/14/2016: LCCC is working on a concept to partner with Ohio State University to host a graduate student to assist with white papers related to the lessons and impact of OTN.

F. Key Issues and Technical Assistance Needs

Title	Description
Staffing Challenges	OTN lead team and colleges have experienced grant staff turnover. Additionally, college partners have faced difficulty in filling instructor vacancies.
Placement Challenges	A number of small companies agree to participate in TAACCCT programs by interviewing program completers. Some opt out of hiring participants for a variety of reasons unrelated to the abilities of participants, such as budgetary restrictions and mentorship capacity.
Agreement Delay	Execution of data sharing agreement with ODJFS, which will allow for usage of Ohio Workforce Case Management System, has been delayed. Data destruction concerns recurred, and were consequently addressed. Finalization of agreement is expected in near future.
Delayed Program Launch	With a dual enrollment system, LCCC must have a partnership with an OSHA Education Center, and comply with both academic and OSHA rules. Other challenges include additional work to identify and certify authorized instructors. LCCC is now leveraging the successful model in place at CCC.

G. Best Practices, Promising New Strategies and Success Stories

Best Practices and Promising New Strategies

1 Collaboration with OMJ

LCCC's earn/learn model program, TRAIN OH, has attracted transitioning adults as it launched in Fall 2016. LCCC anticipated the program would appeal to recent high-school graduates. Instead, many nontraditional students were enrolled. These participants include single parents and a disabled worker. The program's diversity can be attributed to LCCC's partnership with its local OhioMeansJobs center in recruitment efforts.

2 Placement Innovation

CCC has replicated an innovative approach in the placement of students. CCC navigator utilizes pre-established relationships to request interviews at companies where participants have applied. This process was piloted in the Speed to Market Accelerator project, an LCCC-led Jobs and Innovation Accelerator initiative. Further, CCC uses this outreach as an opportunity to discuss employer capacity to host internships.

3 Regularly Recorded Webinars

Weekly consortium meetings are frequently scheduled as webinars, which are recorded and shared. Webinars serve as a vehicle for training and sharing of best-practices. Topics include completion of operational tools and resources, updates regarding State of Ohio initiatives, and sharing of high-level takeaways from TAACCCT-funded training.

4 Faculty Recruitment

Several college partners have innovatively used industry partner meetings as an avenue for faculty recruitment. Faculty needs have been integrated into discussion for these meetings, which have already garnered success. LCC and CCC partner company employees are considering faculty positions and have offered instructional support as needed.

5 Operational Improvements

College partners have improved internal operations as a result of their involvement in OTN. Workforce development and academia have operated in cohesion in new ways to develop competency-based programs at SCC. This collaboration led to the development of a new ATS degree that supports multifaceted needs of OTN participants. Additionally, OCC personnel now work within departments those house grant-affected programs, enhancing faculty and student interactions and a streamlined budgeting process.

Success Stories

1 Student in Transition

Ashley returned to ZSC in January 2015 and majored in Industrial Systems and Welding. Ashley stated that “being enrolled in a hands-on program this time around has made a huge difference.” In fact, it helped her secure a flexible FT position as a lab technician. Ashley will graduate from ZSC in December 2017 and plans to stay in the area. “This is home,” Ashley states, “and due to the opportunities that I have been afforded because of my education, my children and I will have a better life.”

2 Training Leads to Pay Increase

B. was working 2 part-time jobs following graduation from high school. He entered the Industrial Welding Program at LCC in Fall 2015, and has completed 5 Welding Courses. He is now working full-time in the Pipe Industry earning \$26/hour.

3 Short-Term Training Success

A first time Industrial Welding student completed the GTAW (TIG) Welding Certificate at LCC in July 2016. Additionally, this student successfully attained three American Welding Society GTAW certifications. This 8-week training program helped him land a position with a Steel Service Center company at \$11/hour , with the prospect of a raise within 90 days. This is a significant increase from his previous stocking position which paid \$8.50/hour.

4 Raise for Welding Completer

Prior to enrolling at CSTCC, L. was a waitress earning \$4/hour plus tips. L. began the Accelerated

Welding program at CSTCC to jumpstart her pursuit toward a Welding Degree and to fine-tune her welding skills. Upon exemplary completion of the Accelerated Welding program, she worked with the Job Coach and immediately received calls for interviews. L. accepted an offer with Eastern Sheet Metal at \$14.40/hour. As a welder, she has a set income and is succeeding in the career field of her choice.

5 Safety Program Progress

In Q8, LCCC explored expansion of CCC's subaward agreement to leverage CCC's success in partnering with an OSHA Education Center to offer coordinated programming as a host site, allowing for maximizing coordination of CCC's existing Environmental Health program, with the launch of LCCC's Occupational Safety Program. Progress includes expanding instructor pool through instructor certification; identification of alignment of LCCC and CCC curriculum, dialogue with CCC's OSHA Ed Center partner.

H. Additional Outcome Information

OTN's impact is recognized by state leaders! In response to a state inquiry to LCCC for ideas on how the state could better serve the needs of mature workers who have lost low-skilled jobs in manufacturing, LCCC shared its model that is being developed and supported with TAACCT funding, called "Retooling Adults for Manufacturing Programs," or RAMP. Based on the College's success at implementing an acceleration program for CNC called Right Skills Now, LCCC is creating a series of programs that combine 10-16 week training with a paid work experience. LCCC subsequently hosted the Chancellor, Governor's Office of Workforce Transformation, and Ohio Dept of Education to highlight this model.