



STATE OF WASHINGTON
DEPARTMENT OF LABOR AND INDUSTRIES
Apprenticeship Section - (360) 902-5320
PO Box 44530, Olympia, Washington 98504-4530
Web site: <http://www.lni.wa.gov/TradesLicensing/Apprenticeship/>

SUBJECT: **Quarterly Report (April - June 2016)**

DATE: July 21, 2016

TO: The Director of the Department of Labor & Industries
Washington State Apprenticeship Training Program Sponsors
Interested Apprenticeship Stakeholders

FROM: Jody Robbins, Program Manager

On behalf of the Washington State Apprenticeship and Training Council (WSATC), Apprenticeship Section staff, regional field consultants and contributing stakeholders, I present the **April – June 2016** report on registered apprenticeship activity and findings in the State of Washington.

The Department wishes to thank all those who contributed to this report. We commend all stakeholders whose work continues to drive innovations in apprenticeship education, workforce development and equal employment opportunity outreach.

Highlights from the April 2016 WSATC Meeting

APPRENTICESHIP PREPARATION PROGRAMS RECOGNIZED:

- Puget Sound Skills Center – Construction Tech

NEW STANDARDS: (Permanently Registered)

Construction Industry Training Council of Washington - Laborer

Laborer

SOC: 47-2061.00

6,000 Hours

Tranquility Day Spa Apprenticeship Program

Esthetician

SOC: 39-5094.00

2,000 Hours

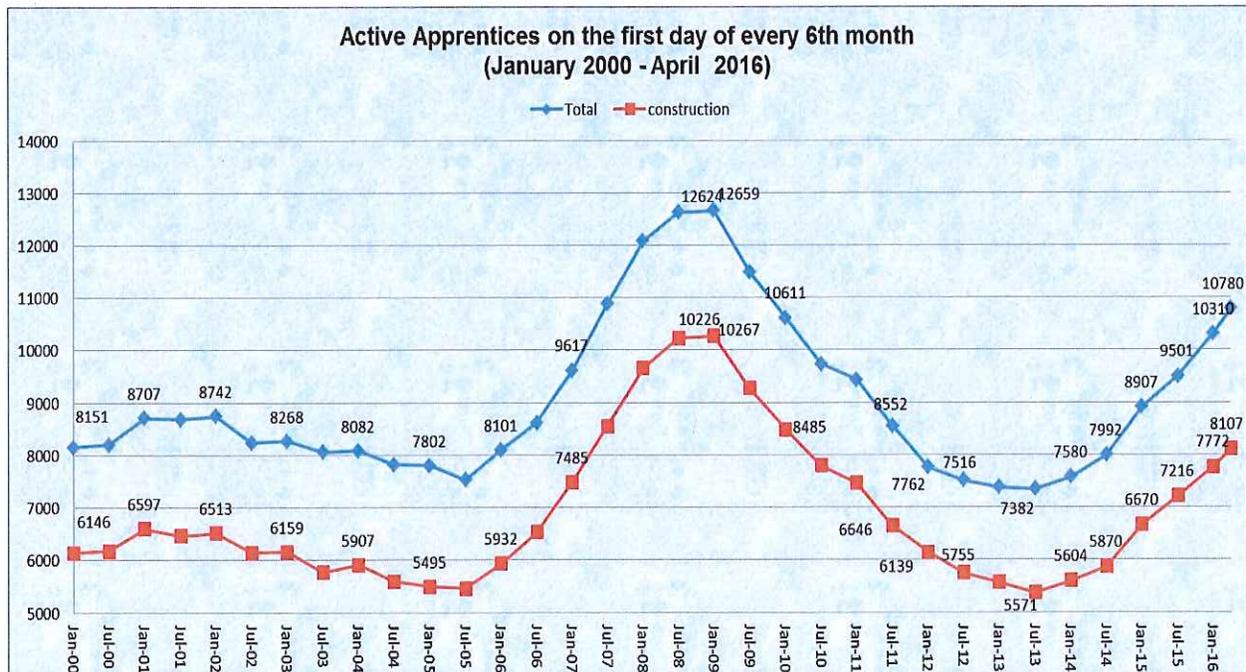
Manicurist

SOC: 39-5092.00

2,000 Hours

Apprenticeship by the Numbers

There were **14,471** active apprentices for the 12-month time period ending June 30, 2016 of which **1,330** were women and **3,750** were minority. Over the last quarter (April – June 2016) there were **12,136** active apprentices. For a complete listing of new registrations by occupation, please contact staff in the Tumwater office.



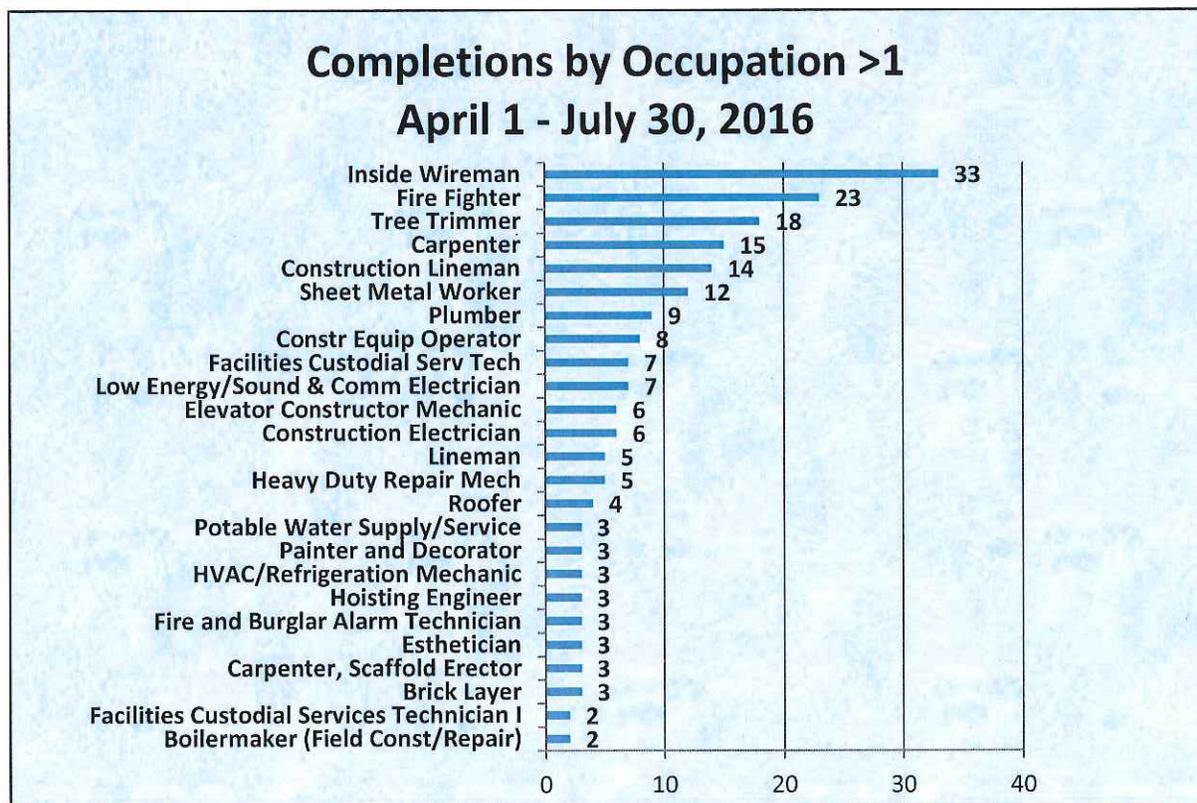
Apprentice Activity (April - June 2016):

- 12,136 active apprentices during the time period
- 225 individuals were issued completion certificates
- 358 individuals were cancelled
- 1557 individuals were registered as apprentices (1019 registrations previous quarter)

Minority, Female and Veteran Participation (April - June 2016):

- 3,151 active minority apprentices (26%)
- 1,123 active female apprentices (9%)
- 1,248 active veteran apprentices (10%)

The building and construction trade occupations continue to drive numbers in terms of total completions or journeylevel credentials issued. See the charts on the next page for the most active occupations in terms of completions and registrations for 2016.





Quarterly News and Events (April - June 2016)

Colorado's Bold Move

Source: John Hickenlooper



A Pilatus Aircraft apprentice shows Gov. Hickenlooper and BEL Commissioner Bosshard how he applies his learning to his work building airplanes.

When I was a business owner, I knew that my companies were only as good as the talented people working for them. It didn't matter if we had a great idea if we didn't have the workforce to implement it.

Whether a brew master or a kitchen manager, a bookkeeper or a busser,

they all required some level of critical thinking and problem solving; they all required a knowledge of the business and its operations to be successful. A good education was a big help in reducing the learning curve for employees joining the team, but ultimately, there had to be on-the-job training and practical experience.

As [governor of Colorado](#), it is clear that the role of government is to ensure our residents have a path to a high quality of life. As Jim Clifton said in *The Coming Jobs War*, “What the whole world wants is a good job.” Despite Colorado being one of the most educated states, we have a paradox – we are not growing enough of our own talent. We have allowed for too many leaks in the pipeline; students are dropping out of high school, not getting a postsecondary degree, and most importantly, not getting good jobs.

In January, I joined business and education leaders to see firsthand how Switzerland grows their own talent. What we saw was a system where business and education were aligned. We heard 16-year-olds talk about learning how to be an underwriter from Credit Suisse and UBS. We met an 18-year-old who spent two years learning logistics from the Swiss railway, long enough to determine he’s better suited to film production, which he plans to tackle next. We saw a system of youth apprenticeships that was the driver of not just education, but the Swiss economy.

What we love about apprenticeship is the combination of theory and practice. It’s a path that joins both, so there is relevance to what is being taught in the classroom. The best part is that apprentices are earning money and businesses are getting productive work, a mutual benefit that ensures sustainability.

Last year we created the [Business Experiential Learning Commission](#) to put businesses at the helm to steer Colorado to a system of youth apprenticeships. This commission, chaired by Intertech Plastics CEO Noel Ginsburg, is aligning our state agencies to work together to build youth apprenticeship pathways.

Students will be able to begin apprenticeships in advanced manufacturing, information technology, financial services and other industries while still in high school. Our higher education institutions will support these apprenticeships with related instruction that aligns with credit. In other words, these students are not choosing a path away from college, but rather reducing the financial burden of higher education by earning an apprenticeship wage *while pursuing* higher education.

For too long, we in the U.S. have associated apprenticeships with only the building trades. In Colorado, we’re now looking at apprenticeships in industries like health care, advanced manufacturing, technology, finance and hospitality.

And students and businesses are responding. Mikron Corp. Denver is a perfect example. They were recently looking for five apprentices and were so impressed with the quality of candidates, they doubled their hiring. And that’s just one example. Students, and their parents, are hungry for different opportunities.

Through apprenticeship programs, we are providing students with choice and upward mobility, a path to a sustainable career, an education that doesn’t leave them in more debt than they can handle, and the ability to provide for their families. We are giving students a shot at fulfilling their dreams to create the life they want.

John Hickenlooper is the governor of Colorado. Learn more about [apprenticeship](#).

Tiny houses built by Tri-Tech students to be sold

Source: Ty Beaver, Tri-City Herald

Tiny houses built as part of construction trades course at Tri-Tech (A Washington State Apprenticeship Council recognized Preparatory program) Project part of engineering competition, minimalist ideal of living Houses declared surplus by Kennewick School District.



If you're in the market for a home that's environmentally friendly, and your budget and need for personal space is minimal, the Kennewick School District may have the place for you.

Two tiny houses built by students at Tri-Tech Skills Center are to join the desks, textbooks, vehicles and other items the Kennewick School District declared as surplus for sale.

One of the houses requires only a minimum bid of \$7,000, but was built as a prototype and needs work to make it livable, said construction trades instructor Tony Milewski.

Students are still working on the other. When complete, it will come with all the comforts of home — albeit in less than 200 square feet — running on solar power and propane. Minimum bid? \$22,000.

"I'm so proud of them," Milewski said of his students' work on the more complete model. "Even though it isn't finished, it's looking pretty cool."

The course teaches students the basics of home construction, from roofing and plumbing to how to install cabinetry and a refrigerator. There's also a goal to have them take those skills a step further, to meet the needs of their communities in the years to come.

"It's new and interesting," said senior Israel Lopez, 19, who primarily attends Phoenix High School. "It's a change of pace."

Tiny houses are part of a movement encouraging a minimalist lifestyle — environmentally and personally. Energy efficiency and use of renewable energy, primarily solar, mean the homes can be sited almost anywhere. Their small size, generally only a couple hundred square feet, pushes people to live with less.

Construction trades students built the prototype model a few years ago as part of the Imagine Tomorrow engineering competition at Washington State University. It is also less than 200 square feet and sits on a trailer. The project was picked as the advisers' favorite in the competition.

But when Tri-Tech and the school district tried to sell the prototype after the competition, the state Department of Labor & Industries barred them, saying the structure had to be inspected first. Eventually, they were told the only way the prototype model could be sold as a home would be strip it down to its frame and start over.

Milewski opted against that — if a buyer puts several thousand dollars into it, it would be ready to live in. It could also serve as a coffee kiosk or an artist's studio. The structure is expected to go up for sale in the coming weeks.

In the meantime, Milewski tasked his students with another tiny house project. This time he had to work more closely with the state, a process of painstaking review and inspection.

“We have to have it inspected, we have to have it documented,” Milewski said. “Even the eaves. If you're too wide, you can't take it down the highway without a special permit.” It also might be difficult to find a place to park the trailer-bound tiny house. Some communities have rules and codes limiting where they can be located or how long they can remain in one place.

But logistically, the tiny house can go anywhere. Its two solar panels take a few days to charge an installed battery, but it will power the house for almost two months when starting fully charged. Propane provides heat and powers the small water heater. The toilet will be reminiscent of those used in campers — it must be emptied manually, with no external attachment to a septic system or sewer.

The future owner won't be able to take possession until after the Benton-Franklin Fair this summer, as it will be on display during the event.

And sure, it's small, but the students working on it can see how it could be great for someone just wanting a basic home.

“It's an all-in-one kind of thing,” said senior Cassie Smith, 18, who primarily attends Kennewick High School.

The construction trades class is also working on two full-size homes with Habitat for Humanity. Cassie and Israel said the tiny house project has given them the opportunity to work on everything required in a new home, something that can help any future homeowner. Both want to be electricians, but the project has inspired them to look beyond home construction. Cassie has helped work on a project that proposes installing solar panels on the windmills already generating renewable energy. The move could power tens of thousands of additional homes.

For now, though, they're content to finish sprucing up the tiny red house sitting outside their classroom at Tri-Tech.

“It's got everything a house needs,” Israel said. “Anything else would be extra.”

Chipping Away at the Glass Ceiling

Apprenticeship Builds Confidence, Not Just Skills

Source: Aaron Ferrell, AJAC, Marketing Communications Manager



Beverly Sandoval grew up in Auburn, Washington, a small city south of Seattle where aerospace and manufacturing took flight after World War II. It's a city that transformed from farming to industrial, which cultivated a new generation of blue collar workers to support Boeing's growing demand for precision aerospace parts.

Sandoval, a soon-to-be graduate of the Aerospace Joint Apprenticeship Committee (AJAC) Precision Metal Fabrication apprenticeship program, was the oldest of three siblings. Growing up, Sandoval's grandparents were an integral part of her upbringing to manufacturing. Her grandfather was a Boeing Tool & Die Maker for over 40 years, and her grandmother served in the fast-paced aerospace industry as a draftswoman, detailing technical drawings.

Sandoval started her manufacturing career with no prior experience. Her determination to start from the bottom laid the foundation for her relentless motivation to work in an industry where women are vastly underrepresented. "I think the hardest part for me is having to work extra hard to prove myself in a man's world," Sandoval said. "I would tell other girls to never give up no matter the obstacles. Just do your best."

"I would tell other girls to never give up no matter the obstacles. Just do your best."

The glass ceiling in manufacturing is real – especially for women who feel a constant pressure to prove themselves. More importantly, empowering females to join the manufacturing workforce will inevitably contribute to the growth of women in the industry. Today, Women make up 47 percent of the labor force, but only 27 percent of the manufacturing workforce. STEM initiatives from middle schools to technical colleges are making an impact on how women perceive an industry historically represented by men. But what will get this century-long problem over the hump?



One method to solving the gender-gap is women to surround themselves in an environment that feeds off creativity and mentorship. In return, this will motivate others to work in an industry that bases its premise on learning from others. Apprenticeships, the original four-year degree, offer the most comprehensive method for building technical and soft skills — while earning a livable wage and college credits. Sandoval has reached the top of her profession, but her journey has just begun.

After her completion of AJAC's two-year Precision Metal Fabricator apprenticeship program, Sandoval will move onto the most rigorous program in manufacturing — tool & die making. This program requires 10,000 hours of structured on-the-job training coupled with over 700 hours of college-level classroom instruction.

By 2021, Sandoval will have two journey-level certificates — a testament that women are experienced, well-educated and most importantly, driven to succeed. Lastly, until manufacturers motivate more women to pursue this industry as a career, closing the gender gap will continue to be America's number one challenge.

AJAC Molds New Plastic Process Technician Apprenticeship Program

Source: Aaron Ferrell, AJAC, Marketing Communications Manager



In the United States, the plastics industry is the third-largest manufacturing industry. The outlook is strong nationally, from injection molding companies to high-demand 3D printing, plastics companies are expecting a [4.6 percent growth in 2016](#), which is projected to double in 2017. The plastics industry isn't just massive — it actually translates to jobs. The industry employs nearly 900,000 workers in the United States alone, making plastics a key building block within manufacturing and for the U.S. job force overall. And that's just part of the story — when you include plastics suppliers, the number goes even higher, with the entire plastics industry accounting for roughly 1.4 million jobs nationally.

Washington State is home to plastics manufacturers and establishments engaged in processing, marketing, support and captive activities that directly employ 14,150 people.



Nationally, Washington is ranked 22nd in plastics industry employment. Its home to a number of plastics dependent industries to make products or provide services. Plastics and dependent industries combined employ 763,000 people in Washington.

Similar to other advanced manufacturing industries, Plastic Injection Molding lacks credible on-the-job training programs. Specifically, Plastic Process Technician apprenticeships are non-existent. To further support this growing industry, AJAC has partnered with several Plastic Injection Molding companies to kick-off its inaugural Plastic Process Technician apprenticeship program in 2016. Learn more about what our Plastic Process Technician apprentices will be learning on-the-job.

Pizza, Pop & Power Tools – Spokane

Source: Kenna May, Spokane Community College, Manager of Apprenticeship



May 18 was an exciting day to be an eighth grade girl in Spokane as SCC's Apprenticeship Center and the Eastern Washington Apprenticeship Coordinators Councils hosted the annual event, Pizza Pop & Power Tools.

During the event, 196 young women participated in hands-on experiences and activities that included welding, conduit

bending, chop saw and nail gun operation, painting, concrete, roofing, soldering and heavy equipment operation. The girls also learned how to wire a light switch that turned on a light bulb, tie knots with the lineman, and experience painting and equipment operation on simulators. Throughout the event the girls and their chaperones were introduced to the wide array of employment opportunities in the construction trades that are available to any talented and competent young women. These hands-on experiences were led by industry professionals, largely female apprentices and journey level workers.

Pizza, Pop & Power Tools debuted in Spokane in 2003 and since its inception the event has positively exposed over 3,000 young women to the construction industry and engaged them to consider the construction trades as a viable career option. As always, the event was a huge success! At the end of the day, the girls left the event with a new, fashionable Pizza, Pop & Power Tools t-shirt, a backpack full of goodies, a tummy full of pizza and pop (or course), and memories of a fun filled day. Event volunteers constantly heard, "I didn't know I could do that!"

ANEW Spring Graduation

Source: Christie von Ditter, ANEW, Director of Development & Operations



Apprenticeship & Non-traditional Employment for Women (ANEW) Graduated their 89th Cohort in June and over a dozen women are ready for Apprenticeship! “This was a very focused group,” Morgan Stonefield ANEW Program Director stated at the conclusion of the graduation ceremony. “I have no doubt they will all achieve their career goals.”

One of the Cohort graduates, Andrea Ornelas, is married and the mother of 3 children. She came to ANEW from an economically distressed area in King County. Andrea entered the Trades Rotation Program in April of 2016, and

prior coming to ANEW Andrea was a stay at home mom, with little to no construction related experience. Andrea’s husband is in the building trades so she was aware of the wage and career opportunities the industry has to offer, but she didn’t have the competitive skills needed to apply to apprenticeship programs. Andrea dramatically improved her physical fitness abilities from the initial testing to the final testing, worked on soft skills, learned blue print reading, and how to read a tape measure. Andrea’s performance was excellent during the 12-week training; she excelled at shop class and math class. Andrea earned a perfect attendance award for being on time every day, and never missing a class. After passing the week long assessment called “hell week,” Andrea was offered job opportunities from two different area contractors. As a result of Andrea’s performance during the training program, Andrea was accepted into Laborers Local 440 after graduating in June 2016. Andrea chose to work for Walsh construction on a City of Seattle project. Andrea went to work on July 5th and is earning a starting wage of \$20.03 an hour.



A new cohort begins July 11th and we are looking forward to seeing more women graduate labor ready with the skills needed to lead successful and sustainable family wage careers.

ANEW is looking forward to serving even more people in the Pacific Northwest when in the Fall when we expand our Trades Rotation Program into Pierce County with Clover Park Technical College.

PCL Construction Services, Inc. – Apprenticeship Success

Source: Jennifer D. Hoback, Diversity & Inclusion Liason

Twan Davidson, PCL project superintendent, first met Josh Ford at a Pre-Apprenticeship Construction Training (PACT) Program dinner in 2015. The dinner honors PACT graduates and strategically places them at tables with dinner attendees. Twan saw potential in Josh, an upcoming PACT graduate, and suggested he give him a call upon completion of the pre-apprenticeship program.

Showing great ambition, Josh made the call. Twan, who was working on the King County Factoria Recycling and Transfer Station, provided Josh with an opportunity to use his new skills on the Station project.



The PCL project crew took Josh under their wing and aided him in his personal and professional growth. When Josh was struggling personally, the crew helped him find a car and aided in networking opportunities to further his career.

Once an inner-city youth with a tough background, Josh is now achieving great things as he advances in his construction career. It goes to show that if you show up, and do the leg work, things do work out!

Operating Engineers Spring Article 2016

Source: Tami St. Paul, Training Coordinator, Operating Engineers Regional Training Program

Brothers and Sisters,

The Operating Engineers in Western and Central Washington have been doing a great job of keeping the seats at the training center full through the fall and winter as we offered classes to advanced apprentices and journey level students. We recognize the value of keeping our skills sharp and gaining new ones to be at our highest skill level and the most professional Operators we can be. We continue to grow our fleet of equipment and have added a new 950 M loader, a 320F Excavator, D-5K Dozer, a grade roller, two 642 Forklifts, a 1999 222 Manitowoc crane and a new 120 M series grader as additions to our resources to train with. We are still working on more equipment for the CDL classes too.



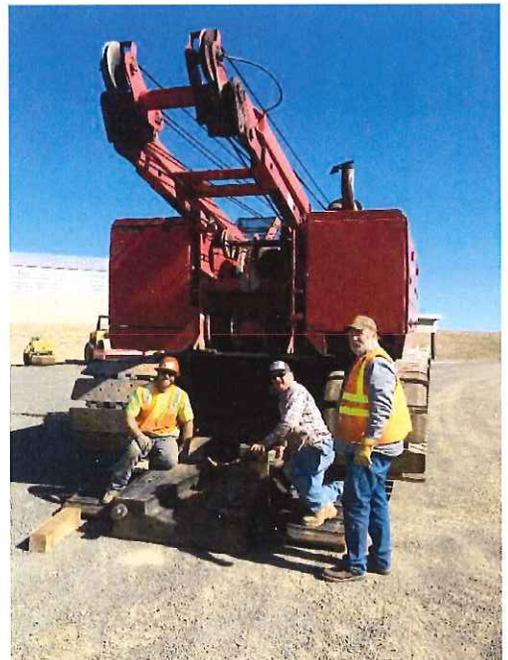
Pictured left: Instructors Greg Hogan and Jeff Hathaway with the new 950 M loader
Below: Lowboy driver Jeremiah Boehm from Advantage Dirt (Big thank you to Advantage Dirt who helped us haul the “new” crane to the training center!),

and Instructors Mark Kaestner and Randy Dove unloading the 222 Manitowoc crane at its new home.

We want to give our sincere thanks and heart felt congratulations to the most recent graduates from the apprenticeship programs. We appreciate the efforts

that they and many others made to help them achieve this significant milestone in their careers. Thanks to their families and support networks. Thanks to the instructors, training center staff and journey level workers on the job. Thanks to the members and contractors for supporting apprenticeship.

Thanks to the graduates for showing up every day with that can do attitude while they learn their craft. Being an Operating Engineer is a life long learning experience don't forget to learn something every day if you can and pass it on to the next generations who will walk that path in your footsteps.



Pictured below are some of the graduates at the graduation meetings in May and June .



IUOE Local 302's District 1 meeting in Bothell, Pictured left to right: Apprenticeship Coordinator Tami St. Paul, Training Administrator Ole Fjellstad, graduated apprentices Jake Smith, James Curlis, Nathan Ball, Brandon Stenerodden, Nick Wiedman, Mike Madden, Marcel Ouedraogo, Albert Arellanes, Jesse Ochoa, Bobby Bright, Cory DeYoung, Evan Wilcynski, Levi Robison, Doug Johnson, Dillon Marshall and IUOE Local 302 President Sean Jeffries.



Above left: Ashley Lehman & Marcus Keenan at Local 302's District 3 Aberdeen graduation meeting. Above right: Aberdeen graduation IOUEO Local 302 Business agent George Garten, Ashley Lehman Jess Johnson and apprenticeship coordinator Tami St. Paul



In Tacoma at IUOE Local 612's Semi Annual meeting we celebrated the graduating apprentices. Pictured Left: left to right are Apprenticeship Coordinator Tami St. Paul, Graduated apprentices Nathan Aynes, Eric Solis-Mena, Chris Jackson, IUOE Local 612 Business Manager, Ernie Evans, graduating apprentices Zack Brader and Darwin Hughes and Instructor and Apprenticeship Coordinator Corrie Eikanger.



Pictured left at Local 302's District 4 & 5 Ellensburg graduation meeting: IUOE Local 302 President Sean Jeffries, Graduating apprentices, Dakota Rust, Shaun Bailey, Justin Travis, Ahloma Wilkens and Apprenticeship coordinator Tami St. Paul

We continue to do outreach to bring the best candidates for our apprenticeships to our doors and have hosted students from the Tulalip tribe's TERO construction pre-

apprenticeship, Ellensburg High School and the Tacoma TOOLS pre-apprenticeship at the training center to try their hand running equipment.



Thanks to the training program staff and especially all our instructors for their unending patience and enthusiasm in lending a hand with the outreach! The students had a wonderful time trying out the equipment. We hope to get some good candidates from these efforts.

We also continue to do outreach at the hands on events on the west side giving High School students and others a chance to try their hand at running the equipment. Apprentice Erika Kopstad is pictured here helping a student try out a skidsteer at the Tumwater New Market Skills Center's 8th annual Try-a-Trade event held in early May. We took the simulators to the 33rd annual Washington Women in the Trades career fair at the Seattle Center and gave students from Skagit, Whatcom, Island and Snohomish



counties a chance to run the tower crane and excavator simulators at the HOTT (Hands on Trades Training) event in Burlington in April. We want to thank the apprentice and staff and volunteers who help out with these events. And a big thank you to our contractor partners,

Lakeside Industries (who also hosted an event for local students at their plant in Port Angeles) and Snell Crane service at the Try a Trade specifically, who pitch in and supply the equipment and materials and often staff to work with the students. They are absolutely invaluable in these outreach efforts and we couldn't do it without them.

Al Rollins' forklift class is continuing to do some excellent work teaching folks how to be safe and productive on the all-terrain forklifts. Forklift cards expire every 3 years so we encourage our members to plan ahead and not let those certifications expire.



Our Mechanic apprentices are also really impressive in their dedication to their education. They do their related training differently than the Construction Equipment Operator or Hoisting Engineer Apprentices. They go to school one night a week and every other Saturday for about 8 months out of the year while continuing to manage their work schedules, family lives and also complete about 5-7 hours of homework weekly for their classes too. Mechanic Instructor, Ken Pagel made the time to tell us about some new tools at the Mechanic program's required related training courses as follows.

"The Operating Engineers Regional Training Program Locals 302 and 612 conducts its Mechanic Apprenticeship training classes at Bates Technical College South Campus in Tacoma. Utilizing in part, our apprenticeship education partnership with them, Bates received a WISE grant from the Department of Labor for improvements to their diesel mechanic program which allowed them to purchase two new simulators and one truck disc brake mock up for the students at Bates and the OE Mechanic Apprentices Locals 302 and 612 to use in their diesel mechanic training.

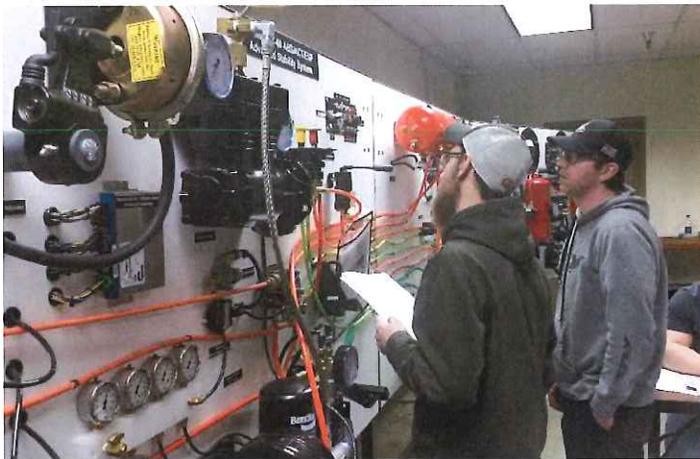
The hydraulic simulator is the MF102H-TSE made by Fluid Power Training Institute. It is actually two training simulators in one. One on each side. The students learn about hydraulic systems by building the circuit that is shown on a LCD monitor and then troubleshooting the circuit after the instructor places faults into the hydraulic components of their circuits.

It has three different pump arrangements that can be used: a fixed displacement pump, a Pressure Compensated pump and a Load Sensing pump. Students build circuits and see how different hydraulic components like counter-balance valves, pilot operated check valves, relief valves, cylinders work. They then can run a number of tests on the circuits they build. Pressure tests, Pump Flow tests, cylinder drifting tests, and how to setup and adjust a Pressure-Compensated/Load Sensing Pumps.

The other simulator and mock up are for training in the latest in On-Highway truck air braking systems. The Bendix EC-60 ABS/ACT/ESP Advanced Stability brake simulator board is fully functional and has all the working truck and trailer ABS components of a Class 8 On-Highway truck and trailer.

The apprentices learn the components and observe them working with air and electricity as they do on a tractor trailer. The instructor can also place faults into the system which the students troubleshoot using blink codes, Bendix RDU tester and Bendix ACOM software and a laptop. We have been using an older non-ABS brake board however this takes our air brake training to the next level.

The mock up is a working Bendix ADB22X Air Disc brake assembly on which the apprentices can change disc pads and learn how the automatic adjuster system works. Many of the newer trucks are coming with disc brakes so this is valuable training for our mechanic apprentices. We have just started using these new training tools this past year and the apprentices are really enjoying the hands-on learning of these simulators.” - Ken Pagel – Mechanic Instructor IUOE Locals 302 and 612



Picture File: Dave and Codie ABS 1.jpg
Description: Codie Miller (General/Kiewit) and Dave Forbes (Ness Cranes) troubleshooting an ABS warning problem on the Bendix EC-60 ABS/ACT/ESP Advanced Stability brake simulator at OE Regional Training at Bates Technical College.



Picture File: Mike and Richard ABS 1.jpg
Description: Mike Baker (JCM Northlink) and Richard Kropp (Deeny Construction) troubleshooting a brake problem on the Bendix EC-60 ABS/ACT/ESP Advanced Stability brake simulator at OE Regional Training at Bates Technical College.

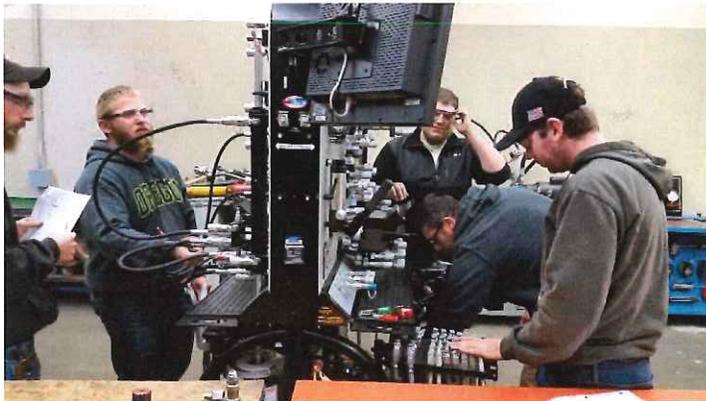


Picture File: Ben JP and Pete Brake board.jpg
Description: Ben Predmore (Lakeside) and Jonathan Morgan (American Construction) diagnosing an ABS problem with Pete Santie (JCM Northlink) waiting for his turn.



Picture File: Reece and Trevor Hyd Sim 2.jpg

Description: Reece Haugen (Barnhart) and Trevor Collins (American Construction) building a hydraulic circuit on the MF102H-TSE.



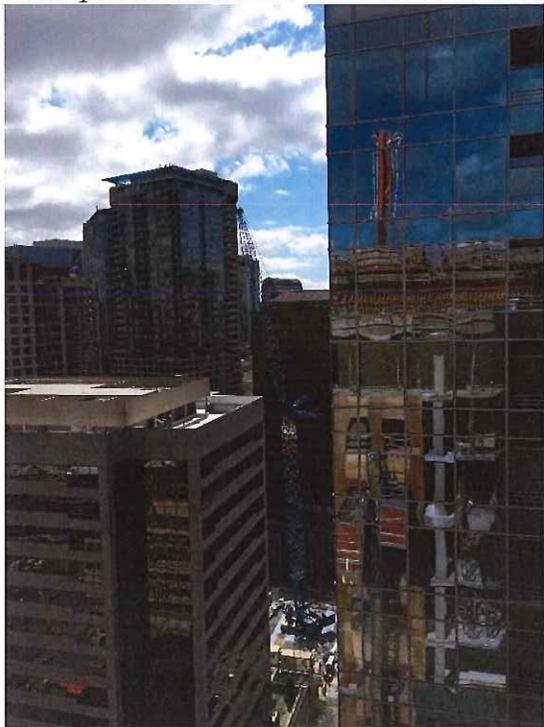
Picture File: Cody Austyn Kyle Ben Dave hyd sim.jpg

Description: HDR Apprentices from Locals 612 and 302 using the MF-102H-TSE Hydraulic simulator during their Hydraulics Training module. From left to right. Codie Miller (General Kiewit), Austyn Anderson (Tucci), Kyle Bales, Ben Predmore (Lakeside) and Dave Forbes (Ness Cranes)



Picture File: Disc Brake.jpg

Description: Bendix ADB22x Air Disc brake working mock up.



Many of our apprentices out on the job site are getting the opportunity to do some really cool stuff too. Dan Youso has been working with Hoisting Engineer Apprentice Nik Perron who took this great picture of the crane they are working on in Seattle. We have a new group of apprentices ready to hit the field. Some may already be on the job sites. We ask our journey level Operators to take them under their wing and teach them all they can so as to make the most of their investment in them and continue to have a workforce ready to carry us into the future. We had the Top Hand competition June 25th 2016 at the Regional Training Center in Ellensburg. Hundreds of Operators brought their families and visit with old friends, maybe make some new ones, compete for fabulous prizes and bragging rights and meet our entry level apprentices for 2016. Thanks again to Mechanic instructor Ken Pagel for the look inside the Operating Engineers Regional Training Program's Heavy Duty Diesel Repair program. We

wish you all a safe, prosperous and productive summer.

In solidarity,

Tami St. Paul - for IUOE Locals 302 and 612s training program staff.

APPRENTICESHIP & RELATED EVENTS CALENDAR

Check out the [L&I Apprenticeship On-line Calendar](#) of Events for details on upcoming activities.

August 2016

Washington ACTE Summer Career and Technical Education Conference

Date: August 8, 2016

Time: 9 a.m. to 5 p.m.

Location: Davenport Grand Hotel

333 W Spokane Falls Blvd

Spokane, Wash. 99201

For more information contact Tess Alviso, **360-786-9286**, email taa@wa-acte.org or go to the website wa-acte.org/confsummer.php

September 2016

September 5, 2016

Last day for "Requests for Revision of Committee/Standards" or "Request for New Committee/Standards" forms to be submitted for the October 2016 Washington State Apprenticeship and Training Council Meeting.

2016 Woman Veterans Summit

Date: September 24, 2016

Time: 8 a.m. – 5 p.m.

Location: Hotel Murano

1320 Broadway

Tacoma, Wash. 98402

Website: <http://www.dva.wa.gov/women/women-veterans-summit>

Website: <https://www.eventbrite.com/e/2016-women-veterans-summit-tickets-22233910224>

For more information: Liza Narciso, **360-725-2157**, lisan@dva.wa.gov or Barb Logan **360-725-2227**, barb@dva.wa.gov

Information flyer: [Women Veterans Summit](#) (507 KB PDF).

Apprenticeship Related Supplemental Instruction (RSI) Review Dates 2015-2016

Date: September 27, 2016

Time: 1 to 4 p.m.

Location: SBCTC Olympia office

1300 Quince St. SE

Olympia, Wash. 98504

For more information go to the website: www.sbctc.edu/college/_e-wkforceapprenticeship.aspx

2016 Governor's Industrial Safety and Health Conference

Date: September 28 & 29, 2016

Time: TBD

Location: Spokane Convention Center

Spokane, Wash.

For more information go to the website: www.wagovconf.org/

October 2016

Compliance Review & Retention Subcommittee Meeting - WSATC

Date: October 19, 2016

Time: 10 a.m. to noon

Location: See below WSATC notice

Additional meetings: (Tentative)

- 1 p.m. - Wash. State Apprenticeship Coordinators Association meeting.
- 2 p.m. - Labor & Industries/WSATC Joint Committee on Recruitment Resources.
- 3 p.m. – CTS Coordinator's Meeting
- 3 p.m. – Electrical Subcommittee Meeting

Washington State Apprenticeship and Training Council Quarterly Meeting

Date: October 20, 2016

Time: 9 a.m.

Location: The Davenport Grand, Spokane.

For additional information and copies of the agendas, please contact the [Apprenticeship Section](#) at **360-902-5320**, email Teri.Gardner@Lni.wa.gov or go to our [Agenda/Minutes page](#).