

Technical and Vocational Education Program Report



State Fiscal Year 2022

A report prepared for the Alaska Legislature
and the Alaska Workforce Investment Board
by the Alaska Department of Labor and Workforce Development

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Introduction

The Technical Vocational Education Program, established by legislation in 2000, distributes training funds to technical and vocational education entities across Alaska's six economic regions. TVEP funds come from a percentage of employee unemployment insurance contributions allocated to specific institutions in accordance with Alaska Statute 23.15.835.

With the exceptions of University of Alaska, AVTEC, and Galena Interior Learning Academy, institutions must submit a grant application to the Alaska Department of Labor and Workforce Development's Alaska Workforce Investment Board to receive TVEP funds each fiscal year.

The institutions must use these funds for technical and vocational training programs and services that align with regional workforce demands and the AWIB's priority industries and state capital improvement projects.

The institutions must have a military credit policy in place for the acceptance of credit or hours toward a degree or technical program, and an articulation agreement under which high school

students may earn dual credit upon completion of a vocational education course. Subsequently, TVEP grant recipients must provide program and financial reports and requests for reimbursement to the AWIB on a monthly basis as well as participant data, which the department uses to report performance.

During the reauthorization of the TVEP distribution in the 2021 regular legislative session, the Alaska Legislature requested a financial audit of the program over the next three years to determine the success of the program.

In FY 2022, TVEP funding totaled \$13,544,500. That amount was allocated directly in the percentages and to the institutions shown below. The table includes the number of participants the TVEP funds served.

The training institution overviews that begin on page 7 are based on the FY 2022 program activities recipients reported directly and include training programs, partners, regional economic impacts, yearly accomplishments, and information about new and future endeavors.

TVEP Allocations	% of TVEP Allocation	Grant Amount	# of Adults Served	# of High School Students Served	Total # of Participants
Alaska Vocational Technical Center (AVTEC)	17%	\$2,302,600	695	81	776
Alaska Technical Center	9%	\$1,042,600	90	79	169
Amundsen Educational Center	2%	\$231,700	18	1	18*
Galena Interior Learning Academy	4%	\$541,800	0	186	186
Ilisaġvik College	5%	\$579,200	1,061	16	1,077
Northwestern Alaska Career and Technical Center (NACTEC)	3%	\$347,500	73	418	491
Partners for Progress in Delta, Inc.	3%	\$347,500	81	127	208
Southwest Alaska Vocational and Education Center (SAVEC)	3%	\$347,500	121	0	121
Yuut Elitnaurviat	9%	\$1,042,600	491	11	502
University of Alaska	45%	\$6,095,000	2,435	888	3,323
Fairbanks Pipeline Training Center	-	\$857,100	372	27	399

*Amundsen had one high school student graduate, then enroll as an adult and complete a credential in May.

Note: The Fairbanks Pipeline Training Center receives pass-through funding based on a fiscal note accompanying the 2008 TVEP reauthorization.

Overview of Economic Regions

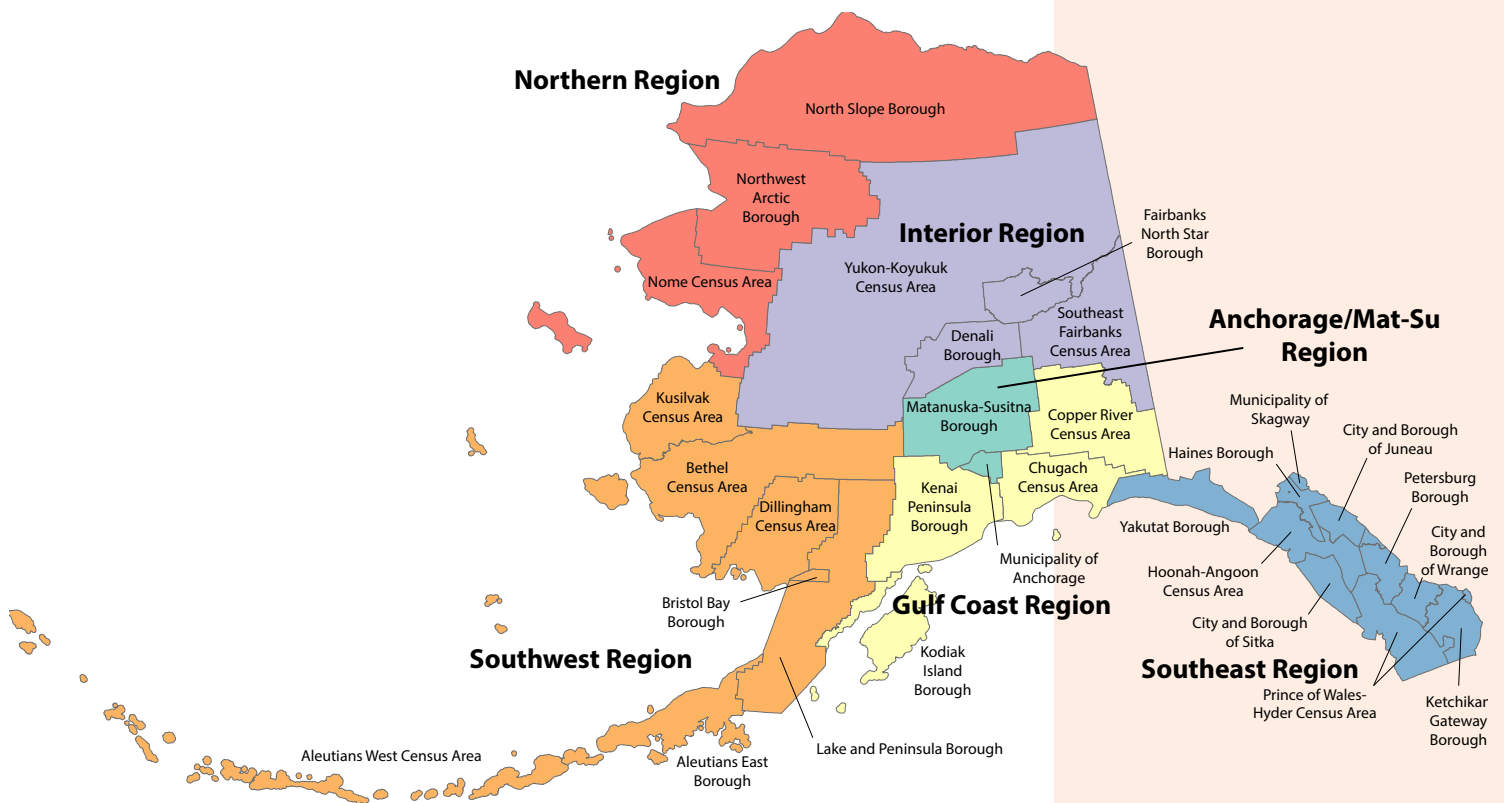
Each of Alaska's six economic regions (Northern, Interior, Southwest, Anchorage/Matanuska-Susitna, Gulf Coast, and Southeast) has one or more TVEP recipients and a university campus, postsecondary institution, or regional training center whose role is to help students and adults get the education and training they need to work in the region and the state.

This section of the report provides an overview of Alaska's economy and each of the regions, plus the outlook for the state's overall employment and industries in both the short and long term.

Structure of Alaska's Economy

Alaska ranks 48th among states for population but is easily the largest geographically. The state's 570,641 square miles of land make up 16 percent of the U.S. total. For the U.S. as a whole, there are 92 people per square mile; Alaska has 1.3.

Alaska's economy is heavily dependent on oil and gas and other resource extraction industries and the federal government, including multiple military bases and installations. Alaska also has more veterans per capita than any other state.



Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section

Two other major basic sector industries — those that inject new money into the state’s economy by providing goods or services to outside consumers — are fishing and tourism.

Alaska has especially high concentrations of employment in natural resources and mining, at more than 3.5 times the national average. It has at least slightly higher concentrations in construction, utilities, and transportation and warehousing. The state has lower-than-average employment concentrations in manufacturing, financial activities, and professional and business services compared to the U.S. overall.

The economies and job markets in the Anchorage/Mat-Su, Gulf Coast, and Southeast regions roughly mirror statewide patterns, with declines in any of the state’s major industries having either direct or ripple effects.

Fairbanks, the largest part of the Interior Region by population and job counts, also has a mix of current and projected employment that resembles the state as a whole.

Outlook for jobs and industries

Alaska’s recovery from pandemic-related job losses has been slower than all but a few states. Through the first half of 2022, Alaska’s job count was still 4.2 percent below pre-COVID levels and only Louisiana, Vermont, and Hawaii had further to go. Also, before the pandemic, only West Virginia and Wyoming had seen bigger declines than Alaska in their working age (18-64) populations.

Similar to the U.S., Alaska job openings are at record highs. In Alaska’s case, demographic factors have combined to make that likely to persist for at least the medium-term future. Birth rates have declined, death rates have increased, and the state will record its 10th consecutive year of negative net migration (more people leaving the state than arriving) in 2022.

Beneath all that, Alaska’s economic drivers, with the possible exception of oil and gas, look relatively solid. The large and economically important federal government (including the military) will continue to provide a substantial number of high-wage jobs and significant funding for Infrastructure Act projects, among others.

Commercial fishing faces challenges and disruptions, including the closure of the important snow crab fishery for the 2022-2023 season and a near-collapse of several salmon fisheries in the Yukon, but in the aggregate it will continue to be a powerful economic force for the state.

Tourism rebounded in 2022 from the preceding two rough years, more growth is likely coming.

Mineral and metal mining is projected to grow faster than any other industry over the next decade.

Alaska’s state government continues to struggle with stabilizing its revenue streams and, consequently, the stability it can offer to some of the state’s critical institutions. The state will eventually have to settle politically difficult questions like: 1) whether it can continue to pay “dividends” to every resident of the state, and if so, at what level; 2) whether it will have to reintroduce an income tax or introduce some other broad-based tax now that oil-related revenue has shrunk substantially; and 3) whether more budget cuts should be implemented. Until that is done, Alaska will be at a relative disadvantage to other states.

Gulf Coast and Southeast

Although parts of the Gulf Coast and Southeast regions are isolated and rural, as a whole they contain a mix of jobs not dramatically different from the statewide pattern.

Coastal areas have more opportunities in fishing and fishing support industries, for example, but strong health care growth is likely wherever there are stable or growing populations. Similarly, the mix of government and private sector support jobs (in stores, restaurants and bars, construction, transportation, etc.) does not differ markedly between areas with population centers of 10,000 or more.

Northern Region

The Northern Region is home to most of the state’s large oil and gas industry and includes the Red Dog Mine, one of the world’s largest zinc mines.

Because North Slope workers typically work a

schedule close to two weeks on and two weeks off, they stimulate spending and employment wherever those workers live when oil and gas activity picks up and a corresponding reduction in those jobs when it falls.

There are almost no permanent population centers close to oil and gas fields. The Northern Region's largest city is Utqiagvik, with about 4,500 people, but it is 200 miles away from the center of oil field activity and not connected by road.

Southwest Region

The Southwest Region depends heavily on fishing. The region supplies a large percentage of the nation's total commercial fish harvest by both poundage and value. Its Bristol Bay sockeye salmon, Bering Sea crab, and pollock harvests represent some of the largest salmon, crab, and whitefish fisheries in the world.

Fishing is largely missing from wage and hour employment data because permit holders and their crew are considered self-employed. They are not subject to state unemployment insurance coverage and the mandatory reporting from which we collect the most reliable employment data. What the employment data do show, however, is a large number of seafood processing jobs and the roughly typical mix of government, health care, retail, construction, and restaurant/bar employment that result from economic base industries such as the area's fisheries.

Two census areas in the region — Bethel and Kusilvak — have some of the state's and nation's highest unemployment rates among county equivalents. Jobs in these areas are primarily

connected to local government and to the support jobs that exist wherever populations cluster, including health care and retail jobs and a certain number of construction and transportation jobs. Unlike the southern parts of the region, the area does not profit substantially from commercial fish harvests.

Interior Region

The Interior Region has a mix of resource industries — large coal and gold mines, for example — and is also home to Denali National Park, which generates a large number of seasonal jobs and a handful of year-round jobs.

Fairbanks, with a borough population of nearly 100,000, depends heavily on the military and the University of Alaska Fairbanks. Fort Wainwright, an Army post, and Eielson Air Force Base are home to 8,200 active duty military and an additional 9,500 dependents. As noted above, military investment in the Fairbanks area is one of the bright spots for the state's economy.

Due to declining enrollment, announced budget cuts, and the likelihood that more cuts will follow, the University of Alaska Fairbanks will likely be a declining contributor to the Fairbanks economy in the next few years.

The military and the university create significant demand for goods and services in the community and state. At the industry and occupational levels, existing demand is similar to the state-wide pattern: 1) especially high demand for health care workers, and 2) demand across the rest of the industry and occupational spectrum that's roughly similar to population trends.

Performance Measures Summary

The Department of Labor and Workforce Development's Research and Analysis Section matched information provided by TVEP recipients about the participants who exited a program during the prior state fiscal year 2021 (July 1, 2020 through June 30, 2021) to unemployment insurance wage records to determine employment outcomes.

The performance outcomes are based on the measures in AS 23.15.835(e). This report includes outcomes for these two measures:

1. Percentage of former participants who have a job one year after leaving the training program
2. Median wage* of former participants employed seven to 12 months after leaving the program

For additional context, we have included median wage and the percent employed at any time in the year after exiting training.

Institution	% Employed 1 Yr After Exit	% Employed 1-12 Mths After Exit	Median Wage 7-12 Mths After Exit*	Median Wage 1-12 Mths After Exit**
Amundsen Educational Center	0%	50.0%	ND	ND
Alaska Vocational Technical Center	63.1%	82.6%	\$19,418	\$38,836
Alaska Technical Center, Kotzebue	68.2%	79.5%	\$12,550	\$25,100
Galena Interior Learning Academy	36.7%	55.1%	\$1,066	\$2,132
Ilisaġvik College	86.4%	93.2%	\$33,889	\$67,779
Northwestern Alaska Career and Technical Center	37.5%	61.9%	\$3,201	\$6,401
Partners for Progress in Delta	45.8%	61.0%	\$5,366	\$10,732
Southwest Alaska Vocational and Education Center	75.0%	87.5%	\$38,124	\$76,248
University of Alaska	63.1%	76.6%	\$17,664	\$35,329
Fairbanks Pipeline Training Center ¹	81.3%	94.5%	\$28,971	\$57,943
Yuut Elitnaurviat	55.0%	73.5%	\$7,115	\$14,230

*This is the median wage earned over the six-month period after exiting training.

**This is the annualized median wage earned at any point in the year after exiting training. Annualized wages are the median 7-12 month wage times 2.

¹The Fairbanks Pipeline Training Center receives pass-through funding based on a fiscal note accompanying the 2008 TVEP reauthorization.

ND = Not disclosable. Worker number is small enough that wages must be suppressed for confidentiality reasons.

Notes: Employment and earnings outcomes are measured using the Alaska wage record information employers provide each quarter for wage and salary workers. Because these records exclude workers who are self-employed, federal, military, or employed out of state, these figures should be viewed as conservative measures of participant outcomes.

Alaska Vocational Technical Center (AVTEC), Seward

The Alaska Vocational Technical Center (AVTEC) is located in Seward in the Gulf Coast Region. As the largest multidisciplinary postsecondary vocational training center in Alaska, AVTEC's mission is to give Alaskans the occupational, technical, and employability skills Alaska's six economic regions need.

AVTEC's program development and student placement are tightly connected to employer partners through advisory committees that place students into jobs and ensure AVTEC curriculum contains the skills and knowledge they expect from new hires.

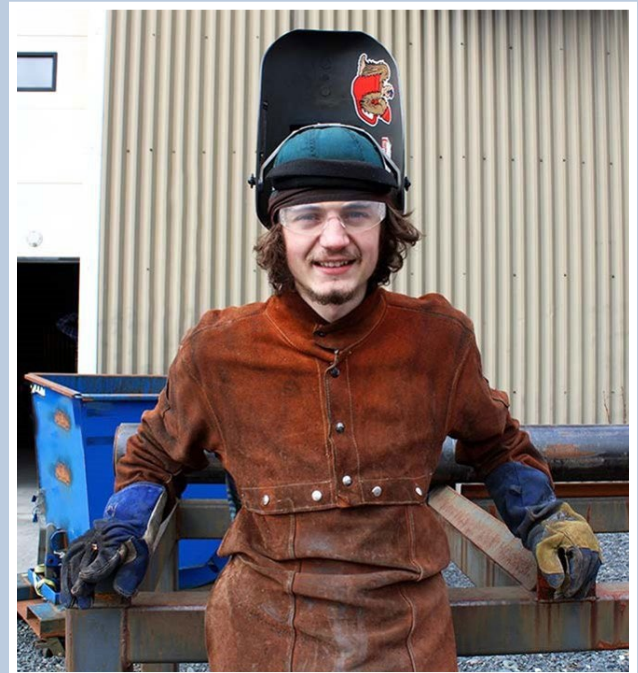
Training Programs

- Alaska Maritime Training Center (40 U.S. Coast Guard courses)
- Business and Office Technology
- Construction Technology
- Culinary Arts
- Diesel Heavy Equipment Technology
- Industrial Electricity
- Industrial Welding
- Information Technology
- Plumbing and Heating
- Refrigeration
- Related Studies (Related technical instruction for registered apprenticeship)

Articulation Agreements

The AVTEC Information Technology Department (Networking and Office Support), as well as Business and Office Technology, have an articulation agreement with the University of Alaska Fairbanks Community and Technical College.

AVTEC also has an agreement with the University of Alaska Southeast in Ketchikan for maritime licenses that articulate into the AAS in Marine Transportation.



Success Story: Crispin Campbell, Kodiak

Crispin Campbell graduated from Industrial Welding in 2022 and was hired as a welder in Kodiak shortly after completing training.

"Loving it here at work. Get to do all sorts of things; been putting in 50-60 hour weeks. My boss always tells our customers, 'If you can dream it, we can build it,' and that's what I like about this job. It never gets boring because there's always something different that we are working on."

FY 22 Partners

- Alaska Department of Education and Early Development
- Alaska Energy Authority
- Alaska Safety Alliance
- Alaska Marine Highway System
- Alaska Operators Union Local 302
- Boilermakers Local 502

- Bristol Bay Native Corporation
- Calista Corporation
- Catalyst Marine
- City of Seward
- ConocoPhillips/Polar Tankers
- Construction Machinery Industrial, LLC
- Cook Inlet Tribal Council
- Coeur Alaska
- Crowley Maritime Corporation
- Edison Chouest Offshore
- Greens Creek Mining
- Holland America Princess
- IBEW 1547
- JAG Alaska
- Kenai Peninsula Economic Development District
- Kinross Gold Corporation
- Marathon Petroleum
- National Center for Construction Education and Research
- National Electrical Contractors Association
- NACTEC
- Plumbers & Pipefitters Local 367
- Piledrivers and Divers Union Local 2520
- Port of Anchorage / Anchorage Municipality
- Southeast Pilots Association
- Seward Chamber of Commerce
- Southwest Pilots Association
- U.S. Dept of Labor, Office of Apprenticeship
- United States Coast Guard
- University of Alaska: UAS Southeast Maritime Training Center and UAF Community and Technical College

Regional Impacts

- Students come to AVTEC from every economic region; upon completing their training, they return to their communities in their respective regions to work and support the economy through their employment.
- TVEP funds impact the Gulf Coast Region, specifically Seward where the school is located, through direct spending of more than \$800,000 per year for the school's operation.
- AVTEC's main dormitory and student service center serve as the region's emergency evacuation center. It can also be a makeshift hospital in case of a surge in COVID-19 cases.
- AVTEC family apartments and the 4th Avenue dormitories are available for rent to

the State of Alaska and other public-sector organizations to house temporary employees, research associates, and interns.

Capital Improvements

Capital improvements continue to move slowly. It hasn't yet impacted our training but it has required us to take other measures to ensure the comfort and safety of our staff and students.

The pipe welding shop renovation to address the poorly designed ventilation system is nearly complete. The final walk-through is scheduled for Sept. 30, 2022.

We are updating the fire alarm sensors and panels across the campus. Two buildings are having the panels replaced: the Student Services Building and the Industrial Electricity Building. The Student Services fire alarm panel replacement and upgrade was completed in early September. Work will soon begin on the Industrial Electricity building, scheduled for completion in the coming fiscal year.

Other ongoing projects include installing a generator at the I.T. building to keep our servers running properly during power outages and maintaining air conditioning for those servers. We poured the generator pad in September.

STANTEC conducted a partial facility assessment., and we are using this report to address our other maintenance prioritization list. The assessment was scaled down to only the buildings most in need of improvement.

We are working with the Administrative Services Division at the Alaska Department of Labor and Workforce Development and the Department of Transportation and Public Facilities to get the First Lake Building and the Industrial Electric buildings assessed for several improvement projects, including boiler replacements. DOT&PF will assess the cost of all the projects and determine which projects will move forward and in what order.

FY 22 Accomplishments

- Through a partnership with Bristol Bay Native Corporation Housing Authority and Alaska

STEP grant funds, AVTEC trained eight Bristol Bay residents for two weeks in the basics of construction. A local contractor, planning to build 10 new homes in several villages, agreed to hire the community members. This model is scalable to other communities through a partnership like this one with the BBNC.

- We launched the first apprenticeship in the state focused on IT/networking. The first cohort included five apprentices with four employers attending related technical instruction weekly and completing their on-the-job training.
- We offered summer boot camps for high school students and partnered with the National Restaurant Association to offer the first face-to-face Hospitality Boot Camp for youth in the country. Using the association's curriculum for ServSuccess, 16 at-risk youth participated in a cooking segment, hospitality training, and life skill boot camp over 15 days on campus in Seward.
- We offered two IT/A+ Summer Boot Camps: one for adults and one for high school students. We assisted and coached the participants to prepare them for the A+ certification exam. All students completed the training, with over half successfully completing the A+ certification exam and earning the A+ industry-valued credential.

Looking Ahead

We will continue to expand apprenticeships to include Facilities Maintenance and Culinary Arts. The expansion will include related technical instruction and multi-employer sponsorship in a variety of fields of study as well as increasing the number of participants in registered apprenticeships.

Alaska Technical Center, Kotzebue

The Alaska Technical Center (ATC) is an adult vocational school supported by the Northwest Arctic Borough School District to meet the Northern Region's vocational and technical training needs. Programs are designed to build Alaska's workforce and meet the needs of employers in high-demand fields such as natural resources, health care, education, and technology.

ATC celebrated its 40th graduating class in May 2021.

Training Programs

- Adult Education
- Boiler Maintenance
- Certified Nurses Aide
- Commercial Drivers' License
- Construction Trades Technology
- Culinary Arts
- Heavy Equipment Operator
- Introduction to Solar Energy
- Process Technology
- Toyo Stove Repair

Articulation Agreements

- Northwest Arctic Borough School District
- University of Alaska Fairbanks, Chukchi Campus

FY 22 Partners

- Alaska Tribal Health Consortium
- Aqqaluk Trust
- City of Kotzebue
- Kikiktagruk Inupiat Corporation
- Kotzebue Electric Association
- NANA Management Services
- NANA Regional Corporation
- NANA Worley
- Native Village of Buckland
- Native Village of Kotzebue
- Native Village of Selawik
- Northern Industrial Training
- Northwest Arctic Borough
- Northwest Arctic Borough School District

- Northwest Inupiat Housing Authority
- Teck Alaska
- Trilogy Metals
- Tuuq Drilling
- University of Alaska Fairbanks

Regional Impacts

TVEP training increases employment opportunities throughout the region. Regional employers benefit from locally trained individuals living and working in an environment they are familiar with.

Our facilities are also used for the community veterinary clinic, regional task force meetings, and school district in-service training

Capital Improvements

We had no capital improvements this fiscal year and have none planned for the next fiscal year.

FY 22 Accomplishments

While post-pandemic enrollments lagged, ATC partnered with Northern Industrial Training to increase short-term course offerings such as Heavy Equipment Operator and CDL training.

We also partnered with Solar Energy International to offer alternative energy training for businesses and homeowners

Looking Ahead

- We plan to establish a small business enterprise program
- We will develop a student-run cafe.
- We will partner with Kotzebue Electric Association to establish a power demonstration lab at the Alaska Technical Center.
- We will partner with NANA Regional Corporation in their village heating initiative to train heating technicians for each regional village.

Amundsen Educational Center, Soldotna

Amundsen Educational Center (AEC), formerly New Frontier Vocational Technical Center, is a faith-based nonprofit vocational school in Soldotna, in the Gulf Coast Region on the Kenai Peninsula. Amundsen focuses on training rural Alaskans for entry-level business, construction, and medical office occupations.

Training Programs

- Building Hope Construction
- Advanced Residential Construction
- Residential Construction
- QuickBooks for Bookkeeping

Articulation Agreements

Kenai Peninsula School District

FY 22 Partners

- Bering Straits Foundation (BSF)
- Covenant Youth of Alaska (CYAK)
- Kawerak
- Native Village of Unalakleet

Regional Impacts

- Amundsen Educational Center curriculum includes a variety of soft skills that area adults need in their everyday lives. Students learn time management, professionalism, self-care, financial literacy, meal planning and preparation, and driving education.
- We provide training for high-demand job skills in the region, such as Residential and Advanced Residential Construction.
- AEC students usually build at least one new home in the Kenai/Soldotna area each year, which increases the availability of quality housing.

Community groups use the AEC Worldstad Training Center for meetings and large events.



Success Story: Montana Craven, Sterling

Montana Craven spent most of his formative years in Sterling. He came to Amundsen Educational Center as a high school student in September 2021, taking classes full time at AEC for dual credit. He graduated from high school in December and was admitted to the diploma program in Residential Construction. On May 13, 2022, Montana received his first postsecondary credential.

Montana spent most of the year working on a garage and home addition. He was adept in all phases of his construction instruction. We celebrated graduation in the home that Montana worked in all year. The homeowners were very grateful to him and AEC for a job well done and the space, function, and value added to their home.

Montana put his skills to use in the construction field all summer and returned to AEC this month to pursue his Advanced Residential instruction diploma. He will be a good mentor to our new students, and he continues to develop himself personally and professionally. His great attitude, combined with his work ethic and desire to learn, promises a bright future.

Capital Improvements

- AEC completed principal construction on a \$500,000, 4,200 square foot house on campus to house our dual-credit career and technical education high school program students. No TVEP funds were used in this capital improvement.
- We plan to complete the Londborg Cabin addition. This addition to our main student cabin for Building Hope Construction will allow more program students and/or more program support staff to live on campus.
- We have begun to fundraise to build a second house for high school students. The hope is that Building Hope Construction students will help build the house for their younger community members to attend the high school program. Again, we are not using TVEP funds directly on capital improvements, although program students can receive some of their curricula through working on these projects.

FY 22 Accomplishments

While AEC has had high school students receive dual credit in the past, last year we had our first student enroll as a high school student and finish as a postsecondary student in the same year. (See the success story on the previous page.)

AEC made several significant revisions to our curriculum in advance of our latest reauthorization by the Alaska Commission on Postsecondary Education. While AEC has always taught life skills and soft skills for career readiness, those are now part of the required curriculum in our Building Hope Construction programs.

Looking Ahead

- We will launch our dual-credit CTE high school program, Amundsen Aviation and Technical High School, in the fall of 2023. We plan to enroll 12 ninth graders from different villages as our starting class. Housing is already in place for this cohort of students.
- AEC has another house under contract, and the Building Hope Construction students who started this fall are ready to begin framing. The goal is to complete the house by the end of the school year, in early May.

Galena Interior Learning Academy, Galena

The Galena Interior Learning Academy (GILA) is an accredited ninth-to-12th-grade vocational boarding school in the Interior Region that also offers postsecondary adult vocational training.

GILA students come from all regions, and many are from villages with few local education options. Galena’s rural setting appeals to these students’ lifestyles and allows those from urban areas to benefit from a focus on the individual. The campus is located on a former U.S. Air Force base and offers modern residential and educational facilities.

GILA’s TVEP program is administered by the Department of Education and Early Development.

Training Programs

GILA, including Sidney Huntington High School, offers vocational certification/tech prep in:

- Applied Mechanics: Small Engines, Intro to Automotive Technology, Automotive I-III
- Aviation: Principles of Flight, Introduction to UAV (Unmanned Aerial Vehicles, incl FAA Part 107 Certification [Drones]), UAV applications
- Construction Trades: Wood Working, Carpentry I and II, Electronics I, Residential Wiring, Welding I and II, Aluminum Welding and Fabrication, Construction Mathematics
- Cosmetology: Introduction to Cosmetology, Cosmetology I and II (follows State of Alaska Board of Barbers and Hairdressers requirements; includes the manicurist course)
- Driver’s Education: Instruction Permit
- Educator Rising: Educator Rising I and, in the future, Educator Rising II
- Health Science: Anatomy and Physiology, Biology, Chemistry, Health, Human Behavior in Health Care, Intro to Health Career Professions, Emergency Trauma Training, Math in the Health Care Industry, Medical Terminology, Professionalism in the Health Care Industry
- Media and Information Technology:

Journalism, Computer Business Applications, Advanced Computer Business Applications (Microsoft Office Specialist certification), Digital Photography

Articulation Agreements

University of Alaska Interior Alaska Campus:

Tech Prep Articulation

Agreements With UAF-IAC	Course#	Credits
Emergency Trauma Training	EMS 152	3
Intro to Health Professions	HLTH 105	2
Professional Skills in the Workplace	HLTH 110	2
Fundamentals of Anatomy	HLTH 114	4

Ilisavvik College: Introduction to Construction Trades (3 credits)

FY 22 Partners

- Alaska Health Occupation Students of America, Alaska branch (HOSA)
- Alaska Safety Alliance
- City of Galena
- Ilisavvik College
- Louden Tribal Council
- SEGA: Sustainable Energy for Galena Alaska
- Southeast Region EMS Council (SEREMS): for Emergency Trauma Technician certification
- Tanana Chiefs Conference
- University of Alaska Anchorage
- University of Alaska Fairbanks
- University of Alaska Southeast

Regional Impacts

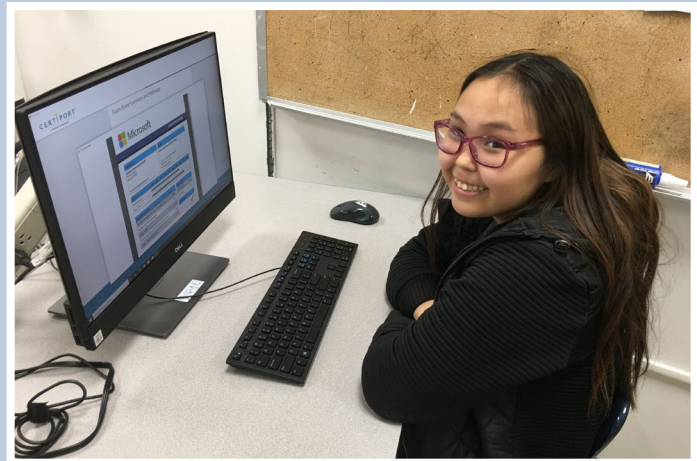
- Louden Tribal Council and Tanana Chief Conference have used the facilities for training.
- The Bureau of Land Management uses the buildings at GILA to unroll and pack parachutes for firefighting.
- Building contractors and other contractors that focus on contamination remediation in the area have used our facilities and equipment.

Success Story:

Mildred Kozevnikoff, Akiak

Mildred Kozevnikoff, a senior at the Galena Interior Learning Academy, earned her certification in Microsoft Office Systems Excel software in the advanced computer applications class.

Students attending Galena High School can earn MOS certificates in PowerPoint, Word, and Excel by taking the class. We've graduated dozens of students in the certification program since its inception in 2015.



- The main gym is used for memorial potlatches and for an open gym for the community. Before COVID, the little gym provided toddler time, which exposes them to the school environment to prepare them for preschool.
- The GILA dining hall hosts elder dinners on weekends to integrate local elders with the boarding school students. This helps alleviate homesickness for the youths as well.
- The local radio station KIYU holds annual and community meetings in our facilities.
- FAA Part 107 UAV Certification [Federal Aviation Administration, Unmanned Aerial Vehicle, Drone]: Three students
- Tech Prep credits through UAF-IAC: 21 students obtained 65 credits in the three health fields referred to earlier
- Emergency Trauma Technician Certification: Seven students
- HOSA Competitive Events: One student placed 1st in Pharmacy Science; one placed 3rd in Biomedical Laboratory Science and was a voting delegate for Alaska at HOSA ILC, Nashville; and another was a voting delegate
- Food Worker Card: Nine students
- Manicuring Training and Permit: Five students
- Hunter Safety Certificate: Eight students and one teacher
- 33 students earned tech prep credits through Ilisagvik College: 33 students

Capital Improvements

We upgraded the HVAC system in SHS Elementary, and we are planning a composite remodel of our building with classrooms on our campus through a \$6.2 million grant from DEED. This will improve our instructional and administrative space.

FY 22 Accomplishments

As course offerings differ little each year, our accomplishments are similar to prior years. One of the major accomplishments was a trip to UAA, UAF, and UAS with 15 students to expose them to vocational and technical courses. We also entered into an articulation agreement with Ilisavvik College. Students achieved the following:

- Instructional driver's permit: Two permits
- Microsoft Office Specialist certification, Excel: Two students

Looking Ahead

We are consolidating existing programs. As we emerged from COVID restrictions and faced a teacher shortage, we didn't want to plan unrealistic course expansions. We are also looking at sustainable and renewable energy products, rejuvenating our Aviation program, and reintroducing our Culinary Arts program in the coming year.

Ilisagvik College, Utqiagvik

Ilisagvik College, located in the North Slope Borough of the Northern Region, is a two-year tribal college that offers postsecondary academic, vocational, and technical education while promoting Inupiat culture, language, values, and traditions.

Ilisagvik was founded to serve the residents of the North Slope Borough, America's largest and most northern municipality, and achieved accreditation from the Northwest Commission on Colleges and Universities in 2003. It is the first and only federally recognized tribal college in Alaska.

Training Programs

- Allied Health
- Applied Construction Trades Math
- Building Maintenance Technology
- Carpentry
- Construction Trades Tech
- Driver's Education
- Electrical
- Heavy Equipment Operations/CDL
- Humanities: Allied Health
- Industrial Safety
- Psychology: Allied Health
- Welding Materials Tech
- Workforce Development Industry Courses: Maritime, Utilities, General, Business, Health, and Industrial

Articulation Agreements

- Aleut Community of St. Paul Island
- Annette Island School District
- North Slope Borough School District

FY 22 Partners

- Arctic Slope Native Association
- Arctic Slope Native Association Samuel Simmonds Memorial Hospital
- Arctic Slope Regional Corporation
- Arctic Women In Crisis

Success Story: Miles "Payuk" Nay, Anaktuvuk Pass

In summer 2021, Anaktuvuk Pass resident Miles "Payuk" Nay arrived in Utqiagvik to attend an asbestos remediation class at Ilisagvik College through Workforce Development. This class was supported by TVEP funds.

Payuk succeeded in the class and became interested in expanding his vocational skill set; he enrolled as a full-time student in Ilisagvik's Construction Trades Technology Program. He is now in his second year and on track to graduate while concurrently pursuing a degree in Business Administration.

Payuk intends to enter the workforce and wants to build his own house using his new skills.



- Arctic Slope Regional Corp. Eskimos Inc.
- ASRC Construction
- Barrow Utilities and Electric Cooperative Incorporated
- Children Youth Services
- City of Anaktuvuk Pass
- City of Atqasuk
- City of Barrow
- City of Kaktovik
- City of Nuiqsut
- City of Point Hope
- City of Point Lay
- City of Wainwright
- ConocoPhillips
- Inupiat Community of the Arctic Slope
- Kuukpik Corporation
- Native Village Anaktuvuk Pass
- Native Village of Atqasuk
- Native Village of Barrow
- Native Village of Nuiqsut
- Native Village of Point Hope
- Native Village of Point Lay

- Native Village of Wainwright
- North Slope Borough Community Health Aid Program
- North Slope Borough Fire Department
- North Slope Borough Fuel (Wainwright)
- North Slope Borough Health Department
- North Slope Borough Human Resources
- North Slope Borough Mayor's Office
- North Slope Borough Planning
- North Slope Borough Police
- North Slope Borough Public Works
- North Slope Borough Risk Management
- North Slope Borough Sanitation
- North Slope Borough School District
- North Slope Borough Search and Rescue
- North Slope Borough Senior Center
- Norton Sound Economic Development Corporation
- Olgoonik Corporation
- SKW Eskimos Inc.
- Tagiugmiullu Nunamiullu Housing Authority
- Top of the World Hotel
- Tuzzy Library
- Ukpeaġvik Iñupiat Corporation

Regional Impacts

- Ilisagvik teaches Industrial Safety Series (40-Hour HAZWOPER, HAZWOPER Refresher, NSTC, First Aid, and CPR with AED) in every village annually. These trainings improve each employee's ability (water treatment, municipal services, and emergency responders) to serve their communities better, keeping each program running and limiting shutdowns. Directly serving more than 15 employers in this way means no interruption to services with lapsed licenses or noncompliance issues.
- Trainings that Ilisagvik offers boost employees' wages, as they gain new skills that translate directly to the workplace and often result in advancement.
- Ilisagvik provides direct trainings and services in the eight North Slope villages (and in villages outside of the North Slope). These areas typically fall outside other training centers' scope. Ilisagvik utilizes TVEP funds to have an expansive reach when offering industrial safety, workforce, and other trainings.
- We offer our facility to local employers (such as Barrow Utilities Electric Corporation Inc. and North Slope Borough) to proctor their water exam certifications.
- As a public-facing college, we have a cafeteria open to the public seven days a week.
- We offer student housing for semester-long courses and short-term trainings.
- We host Qargi, or community gatherings, where elders and community leaders connect and celebrate with students, staff, and faculty.

Capital Improvements

We had no capital improvement projects this fiscal year and have none planned for the next fiscal year.

FY 22 Accomplishments

- Ilisagvik introduced new trainings for North Slope Borough Housing and the Arctic Slope Native Association in mold remediation and boiler maintenance.
- Ilisagvik became an official driving school. Ilisagvik will begin driving school services (testing, etc.) in fall 2022.
- Our number of participants grew 39 percent this year as the pandemic waned. We intend to continue on this trajectory.
- We helped North Sound Economic Development Corporation get 24 out of their 25 Alaska Native employees in Nome certified in Standard First Aid and CPR with AED.
- Our training facilitator conducted a Professionalism in the Workplace course for 39 employees of the North Slope Borough Health/Community Health Aide Program.
- During COVID-19-related campus closures, we continued to teach and reach all Slope villages via Zoom.

Workforce Development remained open from 8:30 a.m. to 5 p.m. through the pandemic, available via email and Zoom.

Looking Ahead

We plan to expand programming in the North Slope villages (and beyond) now that we are moving out of COVID. This will include meeting some of the requests brought up in our quarterly roundtable discussions with employers, such as boiler maintenance, 40-Hr. HAZWOPER, more maritime-focused trainings, and "soft skills" trainings in customer service, office skills, and more.

Ilisagvik has added another full-time trainer to assist with these demands, and we aim to increase the scope and number of community members we reach by at least 15 percent.

Northwestern Alaska Career and Technical Center, Nome

The Northwestern Alaska Career and Technical Center (NACTEC) is in the Northern Region and is part of the Nome Census Area. This regional vocational learning center, a joint venture between the Bering Strait School District and Nome Public Schools, helps students prepare for the world beyond high school.

The training center's mission and primary usage is vocational training combined with residential life skills training. The facility is also rented out for related education and training and is a backup emergency shelter.

Training Programs

- Airframe and Powerplant Mechanic
- Arctic Survival
- ATV/Snowmachine Repair
- Automotive Maintenance
- Aviation Ground School
- Certified Nurse Assistant
- Cultural Tourism/Indigenous Language
- Driver Education
- Emergency Trauma Technician
- Fisheries and Seafood Industries
- Gas Metal Arc Welding
- Health Aide Pre-Session
- Heavy Equipment
- Intro to Behavioral Health
- Intro to Construction
- Intro to Health Field
- Intro to Maritime Careers
- Intro to Teaching
- Intro to Welding
- Native Arts/Business
- NCCER Construction
- Personal Care Attendant
- Shielded Metal Arc Welding
- Small Engine Repair
- Stained Glass/Entrepreneurship

Articulation Agreements

University of Alaska Fairbanks, Northwest

Campus, University of Alaska Anchorage, Alaska Native Science and Engineering Program

FY 22 Partners

- Alaska Department of Education and Early Development
- Alaska Department of Labor and Workforce Development
- Alaska National Insurance Company/USI Insurance
- Bering Strait School District
- Bering Straits Native Corporation
- City of Nome
- ConocoPhillips
- Kawerak, Inc.
- Nome Chamber of Commerce
- Nome One Stop Job Center
- Nome Public Schools
- Northwest Area Health Education Center
- Norton Sound Economic Development Corporation
- Norton Sound Health Corporation
- Pollock Conservation Cooperative
- Saltchuk Companies
- Sitnasuak Native Corporation
- University of Alaska Anchorage
- University of Alaska Fairbanks, Northwest Campus

Regional Impacts

As an Alaska DMV-approved noncommercial driving school, we fill the void left by the closure of Nome DMV's office by providing:

- The only Class D Road test examinations in the Bering Straits region
- Proctors for instructional permit exams in Nome and across the 15 regional villages
- Behind-the-wheel instruction for youth and adults from 16 communities
- Training opportunities in partnership with

Success Story:

Johanna Adams, Brevig Mission

Johanna Adams, a 2022 Bering Strait School District graduate from Brevig Mission completed Certified Nurse Assistant training through the NACTEC and UAF Northwest Campus partnership in May/June, immediately following her high school graduation. Norton Sound Health Corporation assisted Johanna with a move to Nome, as she secured employment following training.

In August, Johanna said, "I'm at work at Quyanna Care Center right now. I love working here! I started working after I went home for a week, after taking the state exam."

Historically, 85 percent of NACTEC's CNA trainees have completed their Nome-based intensive CNA programs.



Kawerak, Inc., Nome Eskimo Community, and Norton Sound Health Corporation

- The U.S. Army and Air Force Reserves using our facility during operation Arctic Eagle this year.
- The NACTEC House also serves as an emergency shelter in Nome and was used for COVID isolation last year.
- The NACTEC student dormitory housed adult trainees in between the high school populations.

Capital Improvements

In preparation for the Nome deep draft port project and potential future graphite mine, we have been developing a heavy equipment operator/CDL pathway program.

We also installed a full motion-based truck driving simulator, prepared a new driver education instructor, and received a compact track loader from Kawerak, Inc., to support this strand. Simformotion is developing a new SimLite compact tractor loader simulator, which we will use to transition trainees from simulator to equipment.

We have no capital improvements planned for the coming state fiscal year.

FY 22 Accomplishments

- Because the pandemic limited short-duration residential training programs, we took our training on the road. We flew to Brevig Mission, Gambell, Savoonga, Shaktoolik, Shishmaref, Stebbins, St. Michael, Unalakleet, and Teller to deliver CTE training. Staff also drove 75 miles of dirt road to deliver behind-the-wheel driver education training in Teller.
- 133 trainees earned State of Alaska instructional permits and 37 trainees became new licensed drivers.
- Albeit with a shorter duration, village-based training programs set a new record by serving 491 trainees.

Looking Ahead

The Northwest Area Health Education Center host organization transferred from NACTEC to Norton Sound Health Corporation in 2022. We will work with them to deliver a Personal Care Attendant program and increase behavioral and mental health training programs.

We will also try to secure a crane simulator and related equipment to further develop the CDL/heavy equipment operator pathway.

Partners for Progress in Delta, Delta Junction

Partners for Progress in Delta, Inc. (PPD) is a 501(c)(3) nonprofit committed to building Alaska's workforce through career advancement education and training for high school students and adults.

Recognized as a Regional Training Center in Alaska since 2008, PPD operates jointly with the Delta/Greely School District and the Delta Career Advancement Center in Delta Junction. Summer academies, custom and special topic classes, certification opportunities, and degree core requirement classes are offered through the organization's partners.

Partners for Progress in Delta, Inc. works directly with partners who provide training credits or certified training to allow military personnel/veterans to get credit for prior service and learning, whenever applicable.

Training Programs

High School

- AutoCAD I and II
- Construction Trades (eighth grade)
- Construction Trades I, II
- eLearning courses as needed (we've added these into the high school course schedule; we realized a couple of years ago that after-school activities were not allowing the students to participate in credit classes in the evening)
- Metals I, II, III, and IV
- Small Engines

Adult Programs

- American Sign Language
- Basic Hand and Power Tools
- Beginning Auto CAD
- Business Math
- Community-Based Psychological First Aid
- CompTIA Security Plus
- Digital Aurora Photography
- Electrical Pre-Apprenticeship
- Filing and Records Management
- First Aid/CPR/AED Certification
- Food Manager Certification

- Fundamentals of Oral Communication
- Hands-on Advanced Fiber Optic Testing and Troubleshooting
- Hands-On Best Practices for Residential WiFi installation and Troubleshooting
- Hands-on Fiber Optic ISP/OSP Combo-Tech Splicing, Termination and Testing
- Hands-on OSP Tester, Fault Locating and Cable Troubleshooting
- Intro to Addictive Processes
- Medical Terminology
- Metal Fabrication
- Microsoft Word and Excel
- OSHA/MSHA
- Personal Awareness and Growth
- Pesticide Certification Training
- Phlebotomy
- Principles of Accounting
- Private Pilot Ground School
- Professional Skills For The Job Hunt
- QuickBooks
- Resume Writing
- Welding I, II, III
- Wildlife Photography
- Writing 111 and 213

Academies

- 16th Annual Heavy Equipment Operator and Mechanic Academy
- 3rd Annual Welding Academy

Articulation Agreements

- Occupational endorsement pathway in welding
- Occupational endorsements, certificates, and associate degrees in applied business and accounting
- Occupational endorsements, certificates, and associate degrees in allied health
- Occupational endorsements and certifications important for industry marketability
- Core requirement classes as appropriate

FY 22 Training Partners

- Alaska Operating Engineers and Employees Training Trust

- Alaska Works Partnership
- Delta/Greely School District
- UAF Community and Technical College
- UAF Cooperative Extension

Regional Impacts

- Partners for Progress in Delta, Inc. depends on TVEP for its operation and works with local businesses and vendors to distribute as much of the funding regionally as possible.
- We spend almost all of our budget in the Interior, and approximately 50 percent supports Delta-area vendors and services.
- We use TVEP to pay 50 percent of the cost of operating the Delta Career Advancement Center.
- Approximately a third of the funding supports hands-on training leading to certifications in First Aid/CPR, OSHA 10, MSHA, and the North Slope Training Card, as well as access to apprenticeships.
- Partners support tuition offset vouchers for residents taking university classes as an incentive to take classes locally. Popular university programs include the Certified Nurse Aide Program, Applied Business, and Welding.
- In addition to training, the training center has been used to help local Future Farmers of America and 4-H chapters stay active with monthly meetings.
- We provide classroom space to the local public health nurse for community classes on opioid addiction.
- We provide space for test proctoring and college placement testing for students.
- The Bureau of Land Management uses our facility to issue subsistence permits to the community.
- Local businesses use the facility for meetings and training.

Capital Improvements

We had no capital improvements over the last fiscal year, but we are adding another 2,500 square feet to our facility. This includes a shop that will expand our carpentry and welding classes, a conference/classroom area, and a hospital-grade medical training room. We will also install a backup generator.

We broke ground on this project on Aug. 1 and will have the ground work in place by winter. Spring will bring a prefabricated building to set on the footers, and we will secure financing to complete the inside finish work.

FY 22 Accomplishments

- Our partner UAF Cooperative Extension provided a one-week Tractor Safety course in conjunction with the local Future Farmers of America. This certificated course was well-attended.
- Our largest program is the annual Entry-Level Heavy Equipment Operator and Mechanic Academy. We held our 16th academy in June, with 14 students from all over Alaska. The students took a one-week required safety training program before breaking off to learn operating or mechanics.

The success of this program is due in part to the Alaska Operating Engineers and Employees Training Trust recognizing the program as pre-apprenticeship training for direct indenture into the Operating Engineers 302.

PPD has provided this training to more than 200 people, with many earning apprenticeships, going on to UAF, or obtaining jobs with local businesses. IBEW has seen the benefit of this academy and is now requiring it of all their direct indentured students from the Delta Junction area.

- We hosted our 3rd Annual Welding Academy in conjunction with the Heavy Equipment Academy. Two students attended this three-week course, where they learned two types of welding after a one-week safety course. One student has applied for an apprenticeship. We also provided an intern to help the

welding instructor teach the course, and this student has been discussing an instructor position with the training coordinator.

- We hosted our 5th CompTia Security+ course. This certificated course is required for any private contractor working on a military base who wants to get a job or get promoted. The course draws students from all over Alaska and is always well-attended. Ninety-nine percent of students pass the final exam.
- The local EMS company conducted two safety classes in the spring: CPR and Wilderness Safety. We will offer these highly sought-after classes again.

Looking Ahead

In the coming year, plan to:

- Revive the welding program. Our welding program was always popular, with many students on the waitlist for each class. Some just wanted to learn specific skills but many went on to finish their certifications and obtain highly sought-after jobs. We offered all but two of the courses necessary to be certified. We lost our welding instructor three years ago and have been looking for a replacement since. With these after-school courses, our high school students can get the advanced training needed to get into apprenticeship programs, and adults have an opportunity to advance their current or future careers.
- Offer a tiny house building course. With the rise of young entrepreneurs, we have been asked many times to provide additional construction courses. High school students have an excellent construction trades course, but the tiny house course will put everything into one useful project. Members of the community have expressed an interest in home repairs (with the shortage of qualified contractors), and this course will give them the basics of home building and repairs.
- Begin Wilderness First Aid/CPR and Safety. A large number of jobs available are rural, and our younger students have expressed a need for this training. Our community is also wilderness-minded and people are often far away from medical services. These courses offer our community members a chance to survive if something dire were to happen.

Southwest Alaska Vocational and Education Center (SAVEC), King Salmon

The Southwest Alaska Vocational and Education Center (SAVEC) is a 501(c)(3) organization located in the Southwest Region on the former Air Force base in King Salmon. The center provides career and workforce development training to Bristol Bay residents and rural residents from around the state.

SAVEC is governed by an eight-member board of directors that provides a thorough knowledge of community, business, and industry workforce needs spanning its 31-village service area.

The center is equipped with distance learning capabilities and is considered one of the most advanced classroom technology centers in the state, using Smart Board Technology, audio conferencing, video conferencing, and wireless Internet throughout the facility.

Training Programs

- Bristol Bay Fishery Funding Opportunities (via Zoom)
- Behind The Wheel
- Class A Commercial Driver's License
- Driver's Education Written Preparation
- Excel
- HAZWOPER 24-Hour
- HAZWOPER 40-Hour
- HAZWOPER 8-Hour
- HAZWOPER 8-Hour (via Zoom)
- Power Sports Repair and Maintenance
- Tribal Entrepreneurship
- Wilderness First Aid

Articulation Agreements

- Bristol Bay Borough School District
- Bristol Bay Christian Learning Center
- Lake and Peninsula School District
- Southwest Regional School District

FY 22 Partners

- Bristol Bay Area Health Corporation
- Bristol Bay Borough
- Bristol Bay Economic Development Corporation
- Bristol Bay Housing Authority
- Bristol Bay Native Association
- Bristol Bay Native Corporation
- Lake and Peninsula Borough
- University of Alaska Fairbanks, Bristol Bay Campus

Regional Impacts

- TVEP's investment boosts regional employment and safety, as we have seen with partner/employer Bristol Bay Area Health Corporation, which serves 26 villages. The Environmental Health Program prevents, identifies, and controls potential environmental health problems, focusing on sanitary water supplies and sewage disposal, rabies control, and investigation of potential health problems. We recertified six of their employees in HAZWOPER 40-Hour and 8-Hour Refresher courses.
- TVEP financially benefits local and regional businesses. SAVEC leverages TVEP funds with regional partner Bristol Bay Economic Development Corporation's reimbursable Community Training Grants for nearly all costs of training at our facility: instructor airfare, student and instructor rooms and meals, instructor fee, and tuition to UAF if warranted.

This has a multiplier effect by supporting businesses such as air taxis. Grant Aviation, King Flying Service, Coastal Air, Lake Clark Air, and Iliamna Air fly students to King Salmon. Car rental agencies such as Eagle Eye Car Rental and Naknek Engine benefit from students renting vehicles. Restaurants and caterers such as Eddie's Fireplace Inn,

D&D Restaurant, Watter's Edge, Rogelio's V & Y Pizza, and The Galley benefit from providing meals for students and instructors. Stores such as AC Commercial, Naknek Trading, and Chinook Gift Shop benefit when participants purchase goods.

Capital Improvements

We had no capital improvements this year, and we have none planned for the coming year.

FY 22 Accomplishments

We strengthened our partnership with Bristol Bay Telephone Cooperative, which offers telephone, cellular, and DSL Internet to New Stuyahok, Koliganek, Ekwok, Igiugig, Levelock, King Salmon, Naknek, and South Naknek. One of their projects for the next fiscal year may include upgrading existing lines to fiber optic cable, and it will require a skilled labor pool.

Looking Ahead

- In anticipation of Bristol Bay Telephone Cooperative's future need for highly skilled workers, we will provide Fiber Optic training for potential employees.
- We will complete the feasibility study, business plan, and conceptual design for a new SAVEC building.
- We will select and secure land for our new campus.

Yuut Elitnaurviat, Bethel

Yuut Elitnaurviat in Bethel is a 501(c)(3) corporation that provides training and education for the Yukon-Kuskokwim Delta in the Southwest Region. Training programs range from adult basic education and career guidance to construction, driver education (including mining and commercial driving programs), health care, and public safety.

The Yuut Regional Vocational Campus consists of two 22-bed dormitories, a 68-bed dormitory, a construction trades shop, and a 20,000-square-foot state-of-the-art Technical Education and Support Services Building.

Training Programs

- Adult Education/GED
- Construction Trades Training
- Driver Education
- Public Safety
- Aircraft Maintenance Technology
- Licensed Practical Nurse Program (LPN)
- Certified Nurse’s Assistant Program (CNA)

Articulation Agreements

None provided

FY 22 Partners

- Alaska Department of Public Safety
- Alaska National Guard
- Alaska Pacific University
- Association of Village Council Presidents
- Association of Village Council Presidents Rural Housing Authority
- Bethel Community Services Foundation
- Calista Corporation
- Construction Education Foundation, Inc.
- City of Bethel
- Denali Commission
- Lower Kuskokwim School District
- Oruitsararmuit Native Council
- University of Alaska Fairbanks, Kuskokwim Campus
- Yukon-Kuskokwim Health Corporation

Regional Impacts

- TVEP allows Yuut Elitnaurviat and the Yukon-Kuskokwim region to combat the high cost of facility operation in a rural community.
- We use TVEP funds to keep our infrastructure operational during the year. This allows us to supplement our overhead costs and gives our partner organizations an affordable and accessible option for training in our region.
- Students in our region face numerous barriers to training success. Having a local option that is aware of the different cultural makeup of Southwest Alaska and is a short flight from home is a proven model for our people’s success.
- The community uses Yuut for a range of other purposes. Our facility provided emergency housing for students when the Kilbuk School burned down in 2015 and has since housed the Kuskokwim Learning Academy, an alternative boarding school in the Lower Kuskokwim Schol District.
- The Yuut campus is part of the City of Bethel’s emergency preparedness plan, as the training center is on high ground and the campus has plenty of space to house displaced people in emergencies.

Capital Improvements

We laid the foundation for a new shop that is large enough to work on three houses at once in the winter. We will continue construction this year and begin building our addition, which will expand our capacity as well as that of Kuskokwim Learning Academy.

This year, we will complete the shop and the new addition, which we started before the pandemic.

FY 22 Accomplishments

- We began laying the foundation for a larger

shop, which we will use in partnership with the Association of Village Council Presidents and the Lower Kuskokwim School District to build energy-efficient housing in our region.

- Our Village Police Officer Academy graduated 17 officers this year and provided a youth training camp to 22 high school students from area schools.
- We partnered this year with Alaska Pacific University to offer Licensed Practical Nurse training.
- In collaboration with the University of Alaska Fairbanks, we have continued our Certified Nurse's Assistant program.
- Our established Construction Trades program continued to produce quality craftspeople to serve and work in the region.
- Our Aircraft Maintenance Technology program started a new five-person cohort. They will graduate sometime this fiscal year.

Looking Ahead

- We started the year with an additional Advanced Village Police Officer training program for more experienced offers.
- We are also starting the second cohort of our LPN program and are continuing our CNA program.
- Our Aircraft Maintenance Technology program will graduate its second cohort in December.

University of Alaska

The University of Alaska (UA) is a comprehensive provider of workforce training in Alaska. TVEP will continue to be an important way for UA to develop the workforce of tomorrow, today, helping the state reach the goal of 65 percent of Alaskans with postsecondary education and training to meet our workforce needs by 2025.

For more on the University of Alaska Vocational Education Programs, visit: <http://www.alaska.edu/research/wd/>.



UNIVERSITY
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a K-12 (or home school) for which the student may receive credit at both the K-12 and postsecondary levels.

The university encourages dual enrollment. No additional restrictions on dual enrollment beyond those applicable to all students, or to avoid violations of law or ensure informed

consent by a parent or legal guardian (including financial obligations), shall be allowed. (03-01-18)

Dual enrollment articulation agreements are at: <http://www.alaska.edu/research/wd/de.php>.

Articulation Agreements

The UA Board of Regents Dual Enrollment Policy (P10.05.015) is as follows:

Dual enrollment refers to enrollment at the university by a student who is simultaneously enrolled in

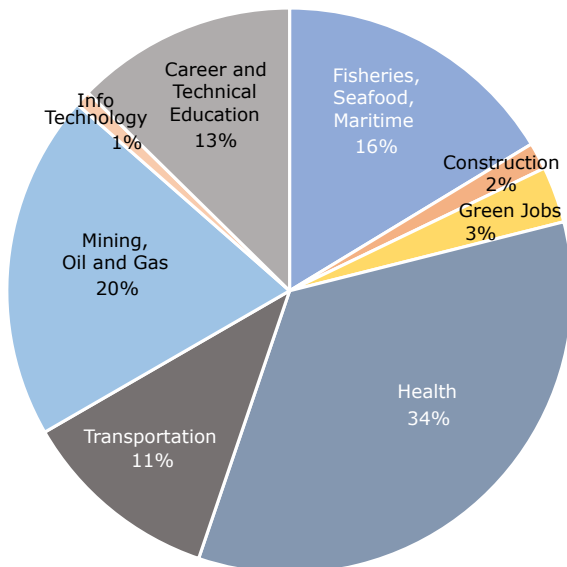
FY 22 Partners

UA's many partnerships with federal and state agencies, training and education providers, Alaska Native Corporations, nonprofits, businesses, and industry are critical to program development and

Training Programs

TVEP Supports High Priority Industries

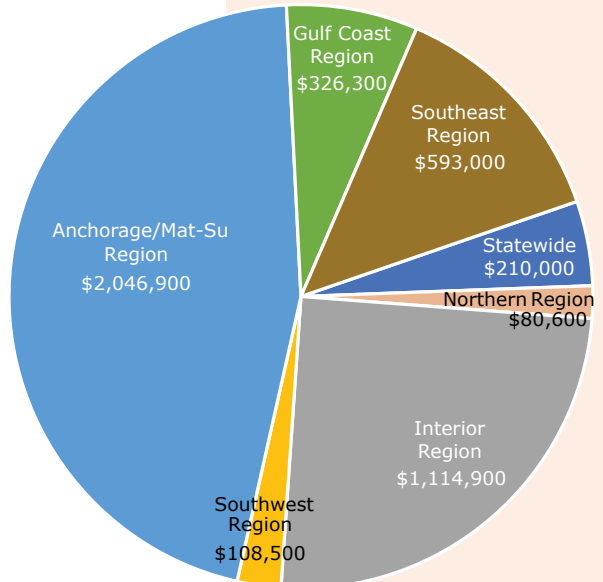
FY 2022



Regional Impact

TVEP Supports All Regions

FY 2022



In addition to these totals, the Fairbanks Pipeline training Center received \$857,100 in pass-through funding for construction, oil, and gas.

delivery. These partnerships also provide experiential learning opportunities, such as internships, and employment for UA students and graduates.

Capital Improvements

UAA invested \$984,094 in TVEP funding for equipment, lab upgrades, and software to improve experiential learning. Highlights include nursing skills lab and simulation equipment, paramedic simulator and airway task trainer, robotics lab enhancements, radiologic tech imaging equipment, process tech virtual reality equipment, renewable energy lab equipment, and a used aircraft for aviation technician training.

UAF invested \$539,650 in TVEP for equipment, simulators, and infrastructure to improve experiential learning. Highlights include simulators for paramedicine and dental assisting programs, self-contained breathing apparatus masks for the fire science program, system trainers for diesel and heavy equipment and paramedicine programs, used lodging units for the mine training program, hospital beds for allied health, and video conferencing equipment at the Kodiak Seafood and Marine Science Center.

UAS invested \$174,250 in TVEP for equipment and simulators to improve experiential learning. Highlights include a hospital bed for the Juneau campus, safety and welding supplies for the Juneau and Sitka welding programs, and fire gear and a hydraulic simulator for Ketchikan's Marine Transportation program.

For next year: UA invested \$1.6 million of FY 23 TVEP funding across the system to purchase equipment and upgrade labs to maintain industry standards and increase access to hands-on and work-related experiences.

FY 22 Accomplishments

UA System Office

- Handshake, a national platform for career management, offered increased opportunities for employment, internships, and retention for students and employers. Handshake supported the UA Fall Career Fair, UA Accounting Recruitment Week, and UA Virtual Career Expo to offer group and individual sessions and host job

interviews. In FY 22, the program increased its active accounts by 13 percent, access to job and internship opportunities by 89 percent, and new partnerships with Alaska-based employers by 11 percent.

UA Anchorage

- UAA's College of Health Practicum Coordinator facilitated students working in the community, applying theory and concepts to real-world situations, developing community health-related skills, and building relationships with potential employers. The program graduated 54 undergraduates and 32 graduate students. TVEP funding supported seven new community partner sites and included job shadowing with physician assistants, laboratory scientists, and veterinarians.

- UAA's College of Health partnership with Alaska's Office of Children's Services produced increased practical training and occupational endorsements for undergraduate social work and behavioral health students. Fifty-five students completed newly created introductory course work, while seven current employees of OCS enrolled in the OEC program. Graduates



were hired by OCS and tribal organizations, helping fill the critical demand for children's and behavioral health vacancies across the state.

- UAA's College of Health supports the only Physical Therapist Assistants program in the state. Students complete a 15-week practicum at partner facilities. The program graduated 12 in FY 22 and boasts a 100 percent four-year employment rate.
- UAA's Community and Technical College became a sponsor for registered apprenticeships in 2019. Since then, UAA has sponsored a variety of apprenticeships from the Automotive and Diesel Technology programs with employers across Alaska. In FY 22, 10 students earned university credit through the created coursework. The credit is further applied to

an A.A.S. in Apprenticeship or B.S. in Applied Leadership Technology.

- Kodiak College purchased the materials, curriculum, and equipment necessary to offer the Marine Service Technology program. They are partnering with Kodiak High School to develop a dual enrollment pathway to the MST program. Thirty high school students enrolled in spring 2022. MST students will earn occupational endorsements and high-demand certifications.
- Kenai Peninsula College’s Kachemak Bay Campus’ Maritime Technology Workforce Development Program Coordinator oversaw the development and/or delivery of courses including Coast Guard license preparation, aluminum fabrication, net mending, deckhand skills, electronic operations and maintenance, electronic charting, gel coat repair, and navigation.
- Mat-Su College expanded internship opportunities for its information technology students through partnerships with school districts, municipalities, and local businesses. Lab facilities were accessible to students at all hours, and 40 students benefited from equipment additions and lab upgrades.

UA Fairbanks

- Alaska Sea Grant coordinated a partnership between UAF’s Bristol Bay campus and ASG’s Marine Advisory Program to provide classes in Marine DC Electrical, Introduction to Marine Outboard Maintenance and Repair, and Marine Refrigeration. The classes were offered in the evenings to accommodate those already employed.
- UAF’s College of Rural and Community Development provided Crisis Responder Training online to rural locations. The program helped health care workers cope with continuous high-stress conditions, resulting in improved retention for health care and social service professionals in rural communities.
- More than 20 students completed their Federal Aviation Administration Aircraft Mechanics certifications in Aviation Maintenance. The Career and Technical College provides year-round instruction to expedite students’ degree completion. Graduates are qualified to work in

UAA Success Story: Joshua Bradshaw

Joshua Bradshaw grew up in Homer as a budding college wrestler and football player. He sustained a debilitating injury as a senior in high school and began to rethink his future.

He had sea time growing up in this coastal community, so he set his sights on becoming certified in the marine trades. “I was recovering from surgery and had a window of opportunity. Having the 100-ton course here in Homer was a lifesaver. It was affordable, the instructor was amazing, and we got so much done in a relatively short time. I really felt supported to succeed.”

Josh is continuing his training to receive an Able Seaman certification through UAA Kenai Peninsula College’s Kachemak Bay Campus Maritime Technology program. “I know I can’t start out as a captain. With my Able Seaman, I will be able to start working on the Arctic Seal, working on scientific research expeditions and recreational fishing and hunting trips.”

Josh is engaged to marry this fall and added, “This is a great way to launch a future for my family.”



the military and private aviation industry.

- UAF’s Fire Science program purchased Self-Contained Breathing Apparatus machines for students to complete their Fire Science I and II courses on their pathway to Fire Science AAS degrees. Ninety percent of Fire Science graduates are employed within one year. The program equipment is also used by

the Fairbanks North Star School District in a partnership that supports high school dual enrollment courses.

- UAF’s Paramedicine program is accredited and trains essential workers to provide high-quality and life-saving care, navigate the demands of the health care industry, and propel their careers as front-line health care workers.
- Community and Technical College faculty recently obtained the Certified Welding Inspector credential through the American Welding Society, enabling students to take proof of legitimate weld tests to prospective employers — a major boon to their employability and career prospects. Fifteen students passed a total of 36 individual tests
- The Mining and Petroleum Training Service delivered hard-skills training to prospective new miners at its fully equipped training facility near Delta Junction. Thirty-two students underwent Mine Safety and Health Administration compliance, equipment simulator, and hands-on equipment training, earning nationally recognized certifications at MAPTS underground and surface mine training camps. The program has an 85 percent employment rate within one year after completion.



UA Southeast

- The Student Access Initiative Coordinator helped students navigate the pathway into training, internships, and apprenticeships in Health Sciences, Construction Technology, Power Technology, Maritime Trades, and Mining. The position recruited for and promoted dual enrollment for rural and urban students, increasing their opportunities and access to high-demand industries.



UAF Success Story: Russell Williams

Russell Williams came to the UAF Community and Technical College Process Technology program motivated to graduate and get a job on the North Slope. Russell worked as a student intern at the UAF power plant while attending classes and as a summer intern on the North Slope. He completed the program in four semesters and was offered full-time employment as an operator by Hilcorp.

Russell praised the program, saying, “The Process Technology program has gone above and beyond to prepare me for a career in the oil and gas industry. It helped me gain essential skills for employment. Some of these skills include safe work practices, troubleshooting problems, and hands-on training with equipment that is common in process industries. I appreciated how the faculty are always open to answering questions and spend extra time outside of class to ensure you are successful. There is a bright future ahead for every student that graduates from this program.”



- UAS Career Education’s Power Technology program trained fixed plant mechanics to work in the resource industries in Southeast. Students earned occupational endorsements and National Center for Construction Education and Research certifications in welding, diesel engines, and transmissions and drives. Students went to work in the Greens Creek and Kensington mines and the fishing industry.
- UAS Ketchikan is home to the Marine Transportation program that prepares students for entry- and officer-level maritime careers. In FY 22, the A.A.S. in Marine Transportation served

UAS Success Story:

Petrea Ashmore

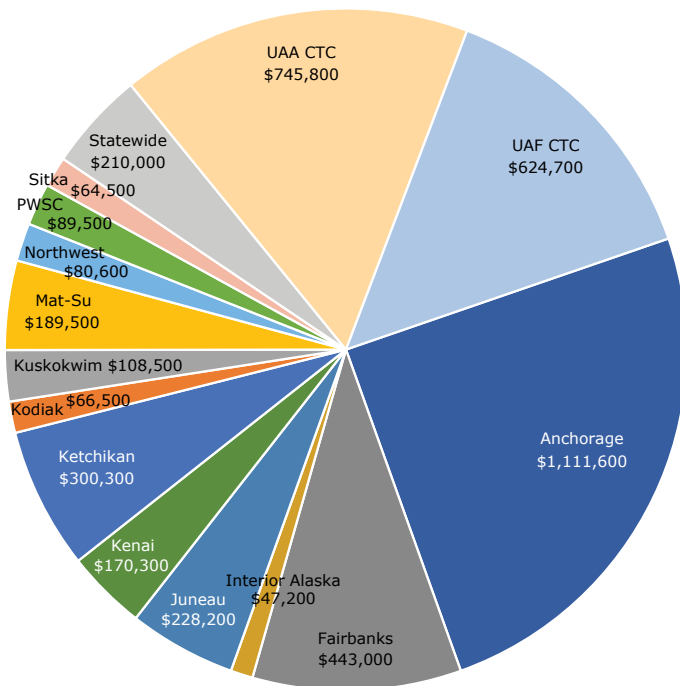
The UAS Medical Assisting Certification program is the result of collaboration with UAA's Medical Assisting program and other industry partners. These collaborations allow the program to be accessed at remote locations in Alaska.

Petrea Ashmore lives in Palmer and attended clinicals in Kenai, a partner campus to the UAS program. Her performance was nationally recognized with a scholarship from the American Association of Medical Assistants Endowment. This honor is bestowed only on students enrolled in programs accredited by the Commission on Accreditation of Allied Health Education Programs.



TVEP Supports UA's Campuses Statewide

FY 2022



In addition to these totals, the Fairbanks Pipeline training Center received \$857,100 in pass-through funding for construction, oil, and gas.

18 students. The program collaborates with the Alaska Marine Highway System, Southeast Alaska Pilots Association, United States Coast Guard base in Ketchikan, AMAK Towing, and more to meet workforce needs across Alaska's maritime industry.

- The Construction Technology program based at UAS Career Education partnered with the Juneau School District, the Juneau Housing Trust, and the City and Borough of Juneau on the House Build Program to teach construction skills and build affordable housing. The revenue from these builds partially funds the ongoing project, making it effective and sustainable.

Looking Ahead

Through a competitive process, UA awarded 85 proposals for FY 23 TVEP funding to initiate or expand high-demand and regional workforce programs to support career and technical training and education statewide.

These strategic investments include \$703,900 for fisheries, agriculture, and natural resource programs; \$1.74 million for health care programs; \$466,700 for mining, process technology, and welding programs; and \$1.1 million for transportation programs such as aviation, diesel and heavy equipment, and maritime.

Fairbanks Pipeline Training Center (via UA)

The Fairbanks Pipeline Training Center (FPTC) is a 501(c)(3) corporation training Alaskans to enter registered construction apprenticeship and training programs that are structured to meet market demand in all parts of Alaska's oil and gas industry. These include the construction, operation, and maintenance of mainline pipelines, gathering lines, pump stations, flow stations, gathering stations, and compressor stations; and the construction and operation of oil and gas facilities.

FPTC receives pass-through funding from the University of Alaska's TVEP allocation based on a fiscal note accompanying the 2008 TVEP reauthorization.

Training Programs

Health and Safety Courses

- Aerial Lift
- Certified Erosion and Sediment Control Lead
- First Aid/AED/CPR
- Forklift
- Mine Safety and Health Administration (MSHA)
- Occupational Safety and Health Administration (OSHA) 10
- Scaffold User/Fall Protection

Pipeline Training Courses

- Pipeline Training Academy (a three-week program for pipeline trade apprentices where students construct and deconstruct a mockup pipeline, working together using pipeline equipment)
- Trans-Alaska Pipeline Systems Hoisting and Rigging

Introduction to the Trades (High School)

High school students in the Fairbanks North Star Borough School District and the Fairbanks-area home schools attend 72-to-80-hour introductory classes for high school credit. Classes are:

- Introduction to Laborers Trades
- Introduction to Shielded Metal Arc Welding
- Introduction to Process Technology
- Introduction to Heavy Equipment Maintenance

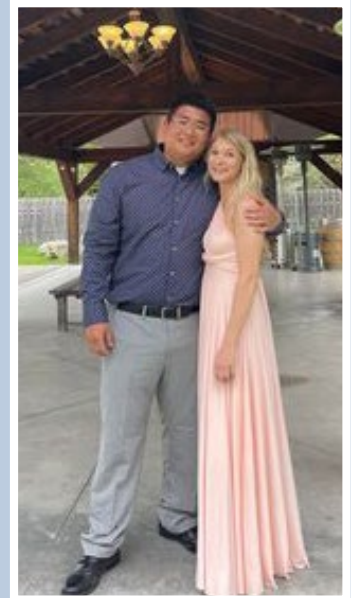
Success Story: Ji Jeong, Fairbanks

Ji Jeong is a 2017 graduate of Lathrop High School and graduated from the Introduction to Electrical Trades program at FPTC.

Ji was indentured into the IBEW apprenticeship program upon graduation. He spent two years working in Fairbanks and the second half of his apprenticeship working on Clear Air Force Base for Fullford Electric.

Ji completed his fifth year of training last spring, passed his state test, and earned his journeyman electrician license.

Ji Jeong has launched a great career with full benefits and the opportunity to retire at 58, and he has endless possibilities for a bright future.



FY 22 Partners

- Alaska Joint Electrical Apprenticeship and Training Trust
- Alaska Operating Engineers/Employers Training Trust
- Alaska Teamster-Employers Service Training Trust
- Alaska Works Partnership
- Fairbanks Area Home Schools (FOCUS, IDEA, CyberLynx, Raven)
- Fairbanks North Star Borough School District
- Laborers International Union of North America Local 942
- UA Local 375 Plumbers and Pipefitters Apprenticeship Training
- UAF Community Technical College
- Yukon-Koyukuk School District

Regional Impacts

FPTC depends on TVEP funding for part of our operational needs in meeting our program goals of training Alaskans for Alaska jobs.

The following groups use our facilities:

- Alaska Department of Transportation and Public Facilities
- Fairbanks North Star Borough School District (including providing access to the conference halls and classrooms when district teachers and administrators were left without power for several weeks after its power breaker was damaged in a windstorm)
- Alaska Oil and Gas Association
- Alaska Gasline Development Corporation
- Oil and gas producers
- BLM/Alaska Fire Service, which used the entire facility for 10 weeks this summer during the fire season
- Native corporation training events

Capital Improvements

We had no capital improvements in FY 22.

We plan to finish building a workout area at the dormitory this year and finish an additional six bedrooms. Apprentices in partner training programs will complete part of this work.



FY 22 Accomplishments

FPTC offered expanded classes for the Introduction to the Trades classes in Introduction to Electrical Trades and Introduction to Laborers. Both of those trades accepted these students directly into their apprenticeship programs.

Looking Ahead

- We are working with the Fairbanks North Star Borough School District and Fairbanks-area home schools to create additional Introduction to the Trades classes in welding and electrical trades for high school girls.
- We plan to work with DOT&PF to bring rural airport contractors to Fairbanks for week-long classes in heavy equipment blade operations with instructors from the Alaska Operating Engineers Employers Training Trust.
- We will work with UA375 Fairbanks Area Plumbers and Pipefitters to provide boiler control training for rural Alaskans.