

Technical and Vocational Education Program Report

State Fiscal Year 2021



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 SFY 2021, TVEP funding totaled \$12,794,200. 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 SFY 2021 program activities recipients reported directly and include training programs, partners, regional economic impacts, yearly accomplishments, and information about new and future endeavors.

SFY 2021 TVEP Allocations	% of TVEP Allocation	Grant Amount	# of Adults Served	# of High School Students Served	Total # of Participants
Alaska Vocational Technical Center (AVTEC)	17%	\$2,175,000	804	123	927
Alaska Technical Center	9%	\$1,151,300	121	98	219
Amundsen Educational Center	2%	\$242,100	22	0	22
Galena Interior Learning Academy	4%	\$484,100	0	75	75
Ilisaġvik College	5%	\$605,100	717	0	717
Northwestern Alaska Career and Technical Center (NACTEC)	3%	\$383,800	14	147	161
Partners for Progress in Delta, Inc.	3%	\$383,800	673	71	744
Southwest Alaska Vocational and Education Center (SAVEC)	3%	\$363,100	130	0	130
Yuut Elitnaurviat	9%	\$1,072,378	367	0	367
University of Alaska	45%	\$5,757,400	3,067	772	3,839
Fairbanks Pipeline Training Center	-	\$768,200	480	42	522

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

Overview of Economic Regions

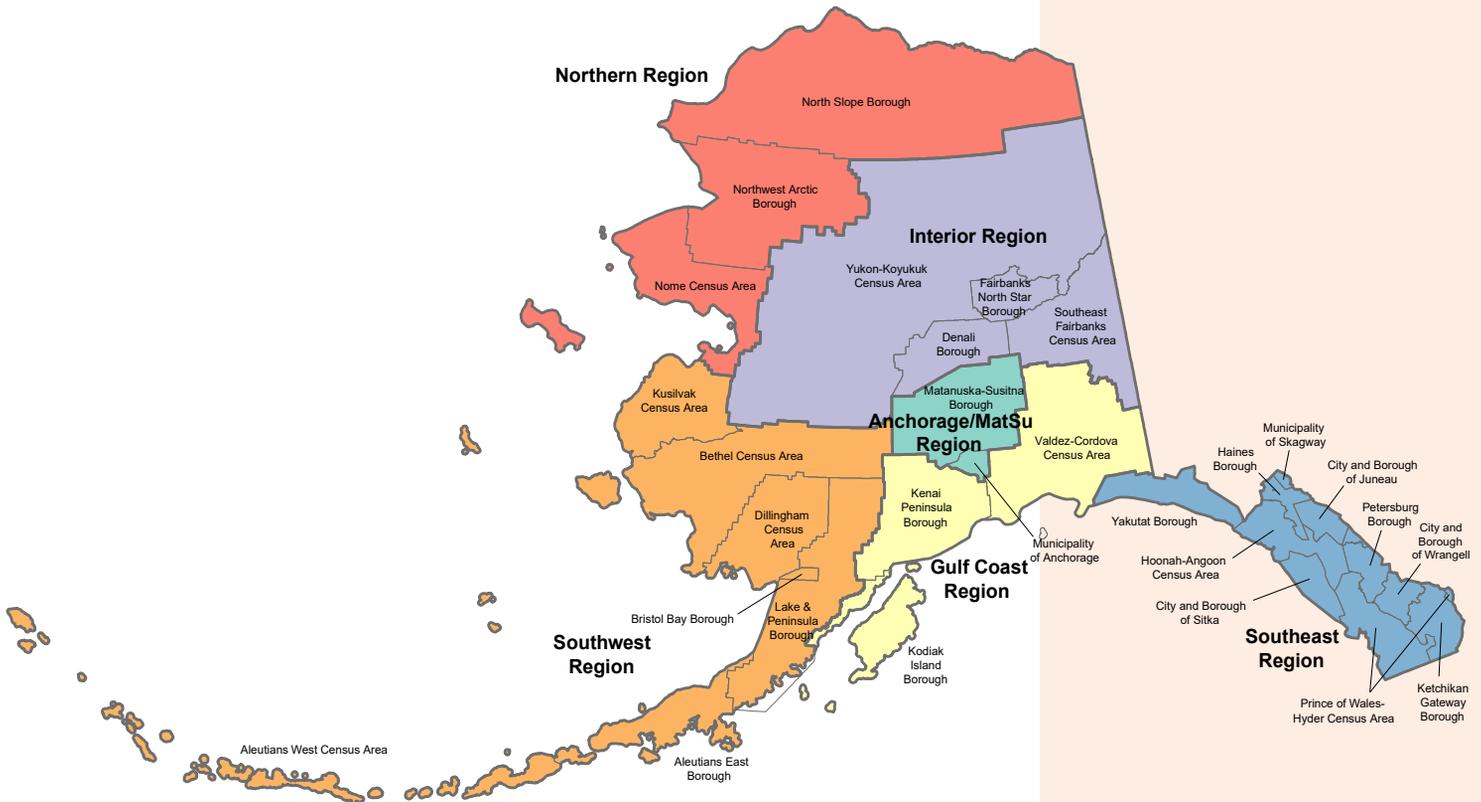
Each of Alaska's six economic regions (Northern, Interior, Southwest, Anchorage/Matanuska-Susitna, Gulf Coast, and Southeast) has one or more TVEP recipients and a university campus, postsecondary institution, or regional training center whose role is to help students and adults get the education and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

This section of the report provides an overview of Alaska's economy and of 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; in Alaska there are 1.3.

Alaska's economy is heavily dependent on oil and gas and other resource extraction industries and on the federal government, including a number of 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 had been slowly emerging from a three-year recession when the COVID-19 pandemic created unprecedented economic disruption. As the state and nation continue to manage the public health issues in late 2021, economies and job markets are gradually stabilizing and recovering some of the lost jobs, although large numbers of people remain unemployed and full recovery may take several years.

The state’s largest economic drivers — assets that bring new money into the state — are the federal government (including a significant number of military bases), oil and gas, tourism, commercial fishing, and mining. Looking beyond the short-term disruptions directly due to the pandemic, those drivers remain fundamentally sound, with the exception of oil and gas, which faces new uncertainties because of low prices — and increasing expectations that they will stay low — and the possibility of permanently reduced world demand.

Alaska is increasingly unable to rely on oil to fund nearly all of its state government services, and faces the ongoing challenge of transitioning to other funding sources.

Other states will also face significant budget deficits due to lost revenue and COVID-related costs, but Alaska’s budget deficits were especially large before the pandemic, and the state is wrestling with difficult choices that will put downward pressure on state spending for at least the next three to five years.

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 statewide 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 2020 (July 1, 2019 through June 30, 2020) 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**
Alaska Vocational Technical Center	69.2%	81.4%	\$17,628	\$35,255
Alaska Technical Center, Kotzebue	54.8%	68.8%	\$14,281	\$28,561
Amundsen Educational Center	77.8%	77.8%	\$5,748	\$11,495
Galena Interior Learning Academy	32.3%	48.0%	\$1,807	\$3,614
Ilisagvik College	77.0%	91.9%	\$28,645	\$57,290
Northwestern Alaska Career and Technical Center	38.0%	44.5%	\$3,516	\$7,033
Partners for Progress in Delta	31.8%	40.9%	\$1,911	\$3,823
Southwest Alaska Vocational and Education Center	50.0%	52.6%	\$22,220	\$44,440
Yuut Elitnaurviat	45.4%	66.8%	\$4,684	\$9,368
University of Alaska	62.9%	74.7%	\$16,964	\$33,928

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

**This is the median wage earned at any point in the year after exiting training.

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

Notes: The methodology for selecting students has changed from those with an exit date during SFY 2019 to those with an enrollment date during SFY 2020. 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 prepare Alaskans with the occupational, technical, and employability skills needed across Alaska's six economic regions.

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)

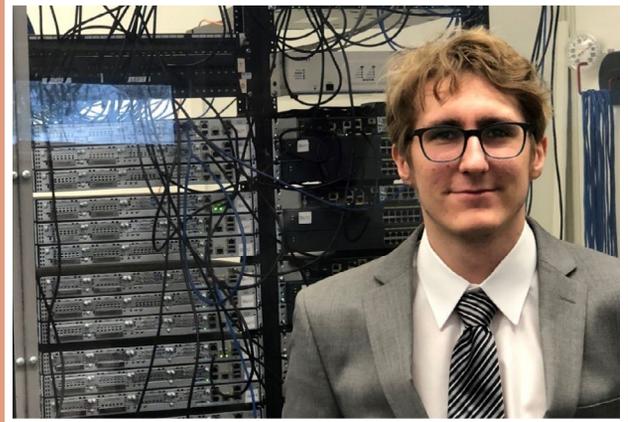
Articulation Agreements

University of Alaska Fairbanks Community and Technical College

A Memorandum of Agreement with the University of Alaska Southeast Ketchikan for maritime licenses that articulate into the Associate of Applied Science in Marine Transportation

SFY 21 Partners

- Alaska Department of Education and Early Development
- Alaska Energy Authority



Success Story: Kyle Comeau, Seward

Kyle Comeau graduated from Information Technology in 2020 and was hired as an IT support technician in Seward shortly after completing training.

"I wanted to be able to do something that I enjoyed and have a stable source of income in my life. AVTEC prepared me wonderfully for my current position. We walked through so many different aspects of possible IT careers and got several certifications that not only prepared but qualified us for employment. Understanding best practices, tools, and industry lingo coupled with our constant hands-on learning allowed me to hit the ground running in my employment."

- Alaska Safety Alliance
- Alaska Marine Highway System
- Alaska Operators Union Local 302
- Alaska Sealife Center
- Boilermakers Local 502
- Bristol Bay Native Corporation
- Calista Corporation
- Catalyst Marine
- Chenega Corporation
- City of Seward
- ConocoPhillips/Polar Tankers
- Construction Machinery Industrial, LLC
- Cook Inlet Tribal Council
- Coeur Alaska
- Crowley Maritime Corporation
- Edison Chouest Offshore

- EXCEL Alaska
- First National Bank
- Foss Maritime
- GCI Hecla 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.
- The region's indirect economic impact comes from a payroll of \$6.5 million paid to AVTEC staff who live in Seward.
- AVTEC's main dorm and student service center serve as the local emergency evacuation center. During the pandemic, they can be set up as a makeshift hospital in preparation for a surge in COVID-19 cases.
- AVTEC family apartments are available for rent to nonprofit and public sector organizations to house temporary employees, research associates, and interns.

Capital Improvements

Planning and deployment of capital improvements continue to move slowly. This has not yet affected our training, but it has required AVTEC to take measures to ensure the comfort and safety of our staff and students.

For example, we are still waiting for the pipe welding shop renovation to address the poorly designed ventilation system that continues to degrade air quality in the welding room when students are training. The Office of Management and Budget provided \$350,000 in SFY 21, and we secured a Seward contractor, but pandemic-related supply chain problems delayed the materials' arrival and we were unable to complete the work before students arrived in the fall. This project is on hold until next summer. Because it remains unaddressed, the shop requires regular air venting to the outside, which cools the room beyond comfort.

We have conducted a partial facility assessment and are awaiting the report so we can modify our capital improvements and deferred maintenance prioritization list. Because the assessment was scaled down, it included only the buildings that most needed improvement or maintenance. We need to assess the remaining buildings to complete capital improvements planning.

One top priority is the condemned building that used to house the Applied Technology program and was vacated when we put the new building into service. The old building could be assessed by an engineer and renovated to house programming currently in leased space and provide warehouse space for our heavy equipment.

SFY 21 Accomplishments

We completed the Alaska Maritime Education Consortium Action Agenda, a collaboration between AVTEC and the university, to deliver U.S. Coast Guard training in vessel operations and deck and engine training to Alaskans in the high-demand maritime industry, regardless of their location.

AMEC applied for and received a Center of Excellence for Domestic Maritime Workforce Training and Education designation in 2021. AMEC is one of 27 maritime training providers and one of two consortiums in the U.S. to receive the designation.

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

Construction Trades

- Introduction to Construction Trades
- Full Construction Trades program

Technology

- Intro to Creative Technologies and Business Skills for the 21st Century

Culinary Arts

- Introduction to Culinary Arts
- Full Culinary Arts Program

Health Care Occupations

- Nurse's Aide
- Medical Terminology
- Anatomy and Physiology
- Professional Skills in Health Occupations
- Introduction to Health

Core Driller Training

- New Driller
- Advanced Driller

Commercial Driver's License

Short-Term Training

- Construction Safety Bundle
- Millwright
- Boiler Maintenance
- Toyostove Maintenance

- NCCER Core
- Culinary Arts short courses in cooking/safety/food handling
- Employability Skills
- Technology, business, software, and entrepreneurial skills
- CPR First Aid
- Emergency Trauma Technician
- Preparation for Union Trades training
- Alaska Driver's License Preparation

Articulation Agreements

- Maniilaq Association Workforce Development
- NANA Regional Corporation
- University of Alaska Fairbanks, Chukchi Campus

SFY 21 Partners

- Aqqaluk Trust
- City of Kotzebue
- Drake Construction Inc.
- Environmental Management Incorporated
- Kikiktagruk Inupiat Corporation
- Kotzebue Electric Association
- Lynx LLC
- Maniilaq Association
- NANA Management Services
- NANA Regional Corporation
- NANA Shareholder Resource Coordinators
- NANA Tuuq Drilling LLC
- Native Village of Buckland
- Native Village of Kiana-Kiana Traditional Council
- Native Village of Kotzebue
- Native Village of Noatak
- Native Village of Selawik
- Northern Industrial Training LLC
- Northwest Arctic Borough
- Northwest Inupiat Housing Authority
- Teck Alaska – Red Dog
- University of Alaska Fairbanks, Chukchi Campus

Regional Impacts

- Partnerships with businesses statewide, such as Northern Industrial Training, allow

Commercial Driver's License participants to stay in the Northwest Arctic area for the majority of the training, making it more cost-effective and affordable for residents.

- Boiler maintenance and troubleshooting training help communities by establishing local expertise and availability when households need boilers repaired or maintained. More than 15 trainees participated in this training and are requested in each of the 11 communities in the Northwest Region. This training brings crucial service to Northwest Alaska, where winter lasts more than nine months.
- We train for enhanced business skills in entrepreneurship, project/problem-based learning, team skills, and collaboration entrepreneurship industry applications. This addition provides needed support for local small business owners in marketing and training in business technology applications.
- ATC was unable to open our facility for public use or regional businesses this year because of the pandemic and our facility's mitigation plan.

Capital Improvements

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

SFY 21 Accomplishments

Intro to Creative Technologies was our biggest success this year. This summer opportunity included students from the Northwest Arctic Region. The participants learned workforce skills using technology in creative ways.

We taught this course June 14 through 18 at ATC. Twenty students signed up for the 20 available slots, and of those, 17 attended and completed the course. We provided each student a current-generation iPad and Apple Pencil.

This intro course allowed students to choose their area of interest and create a final product to share in a portfolio. Areas included: Photography/Videography, Audio/Music, Coding, Digital and Graphic Design, Animation, Productivity Tools, and Business Skills.

Students responded to a survey at the end of this course and 100 percent said the skills they gained are relevant to the working world. Responses showed this course introduced students to subjects most had never had the chance to explore. It also provided structured support so they could dive deeper into creative technology. Students recognized these skills helped them stand out among their peers and gave them greater value to bring to whatever organization they may play a role in. Skills students learned on the iPad are also transferable to other media or devices.

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

- Advanced Residential Construction
- Residential Construction
- QuickBooks

Articulation Agreements

Kenai Classical (none of their students participated in dual credit in SFY 21)

SFY 21 Partners

- Bering Straits Foundation (BSF)
- Covenant Youth of Alaska (CYAK)
- Kawerak
- Kenai Watershed Forum
- Native Village of Unalakleet
- State of Alaska, Department of Labor and Workforce Development

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.

Capital Improvements

We had no capital improvements using TVEP funds, and have no plan to use those funds for capital improvements in the coming fiscal year.

We are still working on a campus development plan, which includes expanding student housing and landscaping. Our student cabin expansion should be complete by December, and we will build new housing in the summer of 2021.

SFY 21 Accomplishments

Through a generous contribution of funds and volunteer labor from Samaritan's Purse, AEC is building the first housing unit for our new dual-credit high school Career and Technical Education program, Amundsen Aviation and Technical High School, which we plan to launch in fall 2023. We did not use TVEP funds for this capital improvement, and in SFY 21, no TVEP-funded positions worked on the project.

This year, we will build the first high school housing unit, with completion scheduled for early in the second quarter of 2022. We have secured an additional grant to furnish the unit, and our construction students will fabricate beds and wardrobes for the new house. No TVEP funds will go toward the materials for this capital improvement, although they are helping pay the construction instructor who is teaching the students working on the project this year.



At left, Makiyan Ivanoff performs at our 2021 graduation ceremony. Above, members of the class of 2021 learn from Jacob Barkman. Pictured are Freeman Gransbury of Hooper Bay, Makiyan Ivanoff of Unalakleet, and Kobe Miller of Sterling.

Success Story: Makiyan Ivanoff, Unalakleet

Makiyan Ivanoff, from Unalakleet, earned his Residential Construction Diploma in May 2021. Makiyan demonstrated a significant aptitude for construction. He also frequently shared his talents as a guitarist and singer with the AEC family, and he fabricated the shell of an umiak for display in the AEC Training Center.

Makiyan stayed around for a couple of weeks after graduation to help finish the SFY 21 home project. Then, in early June, he went on a mission trip to Haiti to help with building projects that serve some of the neediest people in the world. Since returning from Haiti, Makiyan has been working for Norton Sound Economic Development Corporation on construction projects in Wales.

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 Alaska Department of Education and Early Development.

Training Programs

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

- Applied Mechanics: Small Engines, Intro to Automotive Technology, Automotive I-III
- Aviation: Principles of Flight, Introduction to UAV (Unmanned Aerial Vehicles)(including FAA Part107 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 and standards)
- Driver’s Education
- 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, Introduction 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 for the Workplace	HLTH 110	2
Medical Terminology	HLTH 100	3
Fundamentals of Anatomy	HLTH 114	4

SFY 21 Partners

- Alaska Health Occupation Students of America (AK HOSA)
- Associated General Contractors of Alaska
- AVTEC
- City of Galena
- Interior Area Health Education Center (AHEC)
- Louden Tribal Council
- SEGA: Sustainable Energy for Galena Alaska
- Southeast Region EMS Council (SEREMS): for Emergency Trauma Technician (ETT) certification
- Tanana Chiefs Conference
- The Associated General Contractors of Alaska
- University of Alaska Anchorage
- University of Alaska Fairbanks

Regional Impacts

- Many of our economic and regional impacts are difficult to quantify. Galena is situated in



Success Story:

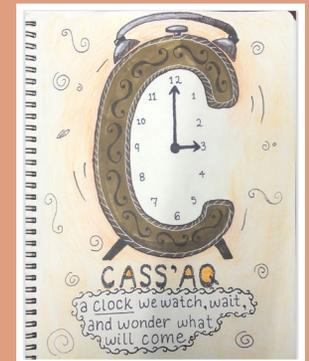
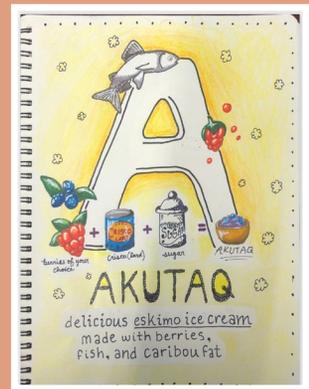
Emily Harry, Alakanuk

This is what Sutton Casey, the Educator Rising teacher, said about Emily Harry:

"I am exceptionally proud of Emily Harry for her work writing and illustrating a children's book for the Educators Rising Conference and Competition held in March of 2021.

"Emily created a Yupik alphabet book for children in the Pre-K through third-grade competition, and she took third place.

"Emily is continuing her education at Fort Lewis College in Durango, Colorado, where she is majoring in art and elementary education. She will be an exceptional educator and role model."



the western part of central Alaska, isolated from other villages or cities. Fairbanks, the closest city, is about 271 air miles away. The most significant impact in the region is that the students return to their home villages with skills they have acquired at GILA in CTE courses. Students can get hired for summer construction and other jobs in the home village, providing services that assist the region.

- The facility was not available for community use during 2020 and 2021 because of COVID-19 restrictions. As a result, the only outside use was by the Bureau of Land Management for firefighting preparations (parachute maintenance) during the summer.

Capital Improvements

- We installed new flooring in the Sidney Huntington School campus and throughout the Galena Interior Learning Academy dorms, and we improved the HVAC system at SHS. Both led to a better learning environment. Before the HVAC improvement, it was difficult

to control the temperature in classrooms.

- We finished the new STEM building in SFY 21 and offered classes in these new start-of-the-art classrooms.
- Subject to state funding, we are planning a composite building renovation focusing on energy efficiency and Americans With Disabilities Act compliance. The composite building is the main school building on GILA's campus. It will house administrative and support staff offices, counseling, the library, six classrooms, and an expanded theatrical arts facility.
- Also subject to state funding, we will upgrade the SHS fire alarm system this year.

SFY 21 Accomplishments

COVID-19 was a major obstacle during the 2020/2021 school year, reducing the number of students served and how we executed the programs. COVID mitigations for congregate

settings severely restricted enrollment, as we were limited to 45 students. For context, we had 210 students the previous year.

School closures, the lack of school-sanctioned travel, and quarantine requirements prevented students from traveling outside Galena for certifications, conferences, competitions, and workshops with partner organizations. Certifications were limited to those possible locally, to a student's ability to travel privately, or to online instruction (Zoom, Teams).

Nevertheless, we managed to achieve the following:

- Four instructional driver's permits
- 20 State of Alaska Board of Barbers and Hairdressers student permits
- Microsoft Office Specialist certifications: Excel and Powerpoint, two students [100% certification rate] with one student, Ms. Emily Harry, awarded second place in MOS Power-Point in the State of Alaska
- One FAA Part 107 UAV Certification [Federal Aviation Administration: Unmanned Aerial Vehicle- Drone]
- 39 students obtained 115 Tech Prep credits through UAF-IAC in the four aforementioned health fields.
- We held an Educator Rising Competition/ Conference virtually. Paul Huntington, a senior, got second place in the Public Speaking Competition, and Emily Harry got third place in the Writing and Illustration Children (pre-K through grade 3) book competition.

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

- Hiland Mountain Correctional Center
- North Slope Borough School District

SFY 21 Partners

- Arctic Slope Native Association
- Arctic Slope Native Association Samuel Simmonds Memorial Hospital
- Arctic Slope Regional Corporation
- Arctic Women In Crisis
- Arctic Slope Regional Corporation Eskimos Inc.
- ASRC Construction
- Barrow Utilities and Electric Cooperative Incorporated

- Children Youth Services
- City of Anaktuvuk Pass
- City of Atkasuk
- City of Barrow
- City of Kaktovik
- City of Nuiqsut
- City of Point Hope
- City of Point Lay
- City of Wainwright
- ConocoPhillips
- Hiland Mount Correctional Center
- ICE Services, Prudhoe Bay
- Inupiat Community of the Arctic Slope
- Kuukpik Corporation
- Native Village Anaktuvuk Pass
- Native Village of Atkasuk
- 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 Health Department
- North Slope Borough Human Resources
- North Slope Borough Mayor's Office
- North Slope Borough Planning
- 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
- Norton Sound Economic Development Corporation
- Olgoonik Corporation
- SKW Eskimos Inc.
- Tagiugmiullu Nunamiullu Housing Authority
- Top of the World Hotel
- Tuzzy Library
- Ukpeagvik Inupiat Corporation

Regional Impacts

- We conducted a First Aid and CPR class for 40 fishing industry employees at the request of Norton Sound Economic Development Corporation.
- We supported ICE Services (Prudhoe Bay Camps) by training people from the North

Slope Mayor's Job Employee Training Program's list. These employees are trained and sent to Prudhoe Bay, where they either work for 90 days or become permanent employees of ICE Services.

- We teach our 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 to serve their communities better, keeping each program running and limiting shutdowns (water treatment, municipal services, and emergency responders).
- These trainings provide hourly wages for those who come to us for their training needs.

Capital Improvements

We had no capital improvement projects this fiscal year and have none planned for SFY 22.

SFY 21 Accomplishments

- We added a Department of Motor Vehicle program to the Workforce Development Department based indirectly on requests from our Village Community Round Table Meeting. This will expedite the process of getting licenses and providing road tests to each community. This program does not replace the City of Barrow's DMV department but assists when it is closed.
- We provided a welding class at the North Slope Borough Public Works' request. Students flew into Utqiagvik and were housed on our campus for one week.
- We conducted a 40-Hour Asbestos Abatement class for the Tagiugmiullu Nunamiulu Housing Authority. The North Slope Borough School District, Ukpeagvik Inupiak Corporation, and North Slope Borough Housing also attended. This class drew 16 students, the most we have ever had.
- We conducted two successful summer camps for 44 students (Behind-the-wheel driving and construction, where middle school and high school students built bird/dog houses and picnic tables). This program was in partnership with Arctic Slope Regional Corporation Construction.
- We helped BUECI get about 45 of their employees certified in Standard First Aid and CPR with AED.
- 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. throughout the pandemic. The department was available via email and Zoom.

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

- Allied Health: Certified Nurse Assistant, Health Aide Pre-Session, Emergency Trauma Technician, Introduction to Health Care Careers, and Introduction to Behavioral Health
- Construction: NCCER Construction, Heavy Equipment, Oxy Fuel, Shielded Metal and Gas Arc Welding
- Hospitality and Tourism: Business/Marketing/Entrepreneurship, Culinary Arts, and Food Service
- Seafood Harvesting and Processing: Arctic Survival, Fisheries and Seafood Industries, and Introduction to Maritime Careers
- Transportation, Aviation: Aviation Ground School, Airframe and Powerplant Mechanic, Automotive Maintenance, Small Engine Repair, ATV/Snowmachine Repair, and Driver's Education

Articulation Agreements

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

SFY 21 Partners

- Alaska Community Foundation
- Alaska Department of Education and Early Development
- Alaska Department of Labor and Workforce Development
- Alaska National Insurance Company
- Bering Straits Native Corporation
- Bering Strait School District
- City of Nome
- Kawerak, Inc.
- Nome Public Schools
- Norton Sound Health Corporation
- Norton Sound Economic Development Corporation
- Nome Chamber of Commerce
- Nome One Stop Job Center
- Northwest Area Health Education Center
- Pollock Conservation Cooperative
- Saltchuk Partners
- Sitnasuak Native Corporation
- UAA and UAF Northwest Campus

Regional Impacts

- NACTEC is an Alaska Department of Motor Vehicles-approved noncommercial driving school and the only such program in the Bering Straits region, serving both adults and youth with training otherwise unavailable in rural areas.
- NACTEC is a proctor for the Adult Basic Education test, administering exams to high school students enrolled in CTE programs.
- In our role as a Regional Training Center, NACTEC connects Nome Public Schools and Bering Strait School Districts with Norton Sound Health Consortium and postsecondary preparation and transitioning committees to connect the region's schools and their students with college and career opportunities in Nome and the surrounding villages.
- The NACTEC House, a student dormitory, is a



Success Story: Kenneth Soolook, Little Diomedes/Nome

Kenneth Soolook, a 2021 graduate of Nome/Beltz High School, moved from Little Diomedes Island to Nome before high school seeking greater educational opportunities.

During high school, Kenneth explored NACTEC training programs including Aviation Maintenance Powerplant, Small Engine Repair, Arctic Survival, Heavy Equipment, and Introduction to Maritime. Kenneth was also enrolled in the Alaska Military Youth Academy Challenge Program during high school.

Following graduation, he was hired by NANA Management with the maintenance department for Nome Public Schools. Kenneth aspires to join the U.S. Marine Corps.

Local Emergency Planning Committee location for housing displaced residents during a natural disaster or another local emergency.

- Norton Sound Health Corporation identified our student dormitory as a potential quarantine or isolation facility in the case of a large COVID-19 outbreak in the Bering Straits region.
- Norton Sound Health Corporation used our facilities for their 21st annual Summer-cise program, where more than 100 Nome children ages 5 to 11 participated in healthy living and recreation activities throughout June and July.

Capital Improvements

We renovated a storage room in Nome/Beltz High School, transforming it into a multipurpose simulator-based training environment. We also used federal grants and business/industry partner funds to purchase equipment including five aviation training devices, five driver interactive/boating skill trainers, and four heavy equipment operator training units. This will increase the high school's CTE training capacity and allow future NACTEC residential training programs.

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

SFY 21 Accomplishments

- We developed distance-deliverable CTE training options in Aviation, Small Engine Repair, and Welding for village students to remedy COVID-constrained variable-term residential training programs.
- We transitioned staff to serve a predominantly Nome-based student population when COVID-19 halted two-week residential training programs. We delivered more than 375 unique services to 147 Nome-Beltz High School students.
- Thirty-nine new drivers obtained Alaska Class D or provisional licenses through the NACTEC noncommercial driving school, and we administered DMV third-party road tests for all trainees.
- In partnership with Kawerak, Inc., we secured two large federal grants. 1) The Alaska Native Engineering Education Development grant is a four-year \$4 million award for pre-K through 12th grade STEM (science, technology, engineering, and math). 2) The Pathways Advancing Technical Trades and Employment Readiness grant is a five-year, \$2.75 million award that will develop six CTE pathways to prepare both high school and adult trainees for technical trades jobs in the region.

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
- E-learning courses as needed
- Metals I, II, III, and IV
- Small Engines
- eLearning courses as needed (we've added these to the high school course schedule, as we realized two years ago that after-school activities were not allowing students to participate in credit classes in the evening)

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

- 15th Annual Heavy Equipment Operator and Mechanic Academy
- 2nd 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

SFY 21 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 in the engineering phase of a building expansion project that will add 1,800 square feet to our facility for more construction trades equipment and classes. We aim to begin construction next spring. High school construction trades students will accomplish part of this project, and part will be contracted out.

SFY 21 Accomplishments

- Our partner Alaska Works provided a one-week Basic Hand and Power Tools for Women Class where students learned the basics of hand and power tool safety. Students built two projects to take home, one of which was a step stool.
- Our largest program is the annual Entry Level Heavy Equipment Operator and Mechanic Academy. We held our 15th academy in June for 11 students from Delta, Northway, Dot Lake, Fairbanks, and the surrounding areas. All students took a one-week required safety training program before breaking off to learn operating or mechanics.

This program's success is partly due 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 181 people, with many earning apprenticeships, going on to UAF, being hired by local businesses. IBEW is now requiring all their direct indentured students from the Delta Junction area to take this offering.

- We hosted our 2nd Annual Welding Academy in conjunction with the Heavy Equipment Academy. This was a two-week course where the five students who attended took a one-week safety course and then learned two types of welding. Several students have applied for apprenticeships at the encouragement of their instructor. We also gave an internship to one high school graduate to help the welding instructor teach the course. This student is negotiating an instructor position with the training coordinator.

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 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

COVID-19 curtailed all face-to-face training in the region, so we only provided the following courses in SFY 2021:

- Business/Office Applications
- Confined Space Entry
- CPR/AED/First Aid
- Confined Space Entry
- HAZWOPER 8-Hour
- HAZWOPER 40-Hour
- OSHA 10-Hour
- Safety in the Workplace
- Zoom Training

Articulation Agreements

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

SFY 21 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
- Leader Creek Fisheries
- Levelock Natives Limited
- Rasmuson Foundation: Director Metrokin
- University of Alaska Fairbanks, Bristol Bay Campus

Regional Impacts

Industry-driven training in HAZWOPER and Confined Space Entry grow the local and regional economies through jobs for locals.

Without TVEP, employers would struggle to get or keep their workforce well trained, increasing the likelihood of unsafe practices causing catastrophic injury or death.

TVEP funds allow employers to invest back into the economy by paying wages to employees, and residents can get and keep jobs, so employers are less likely to import workers.

Community uses of our facilities this year:

- The Bristol Bay Borough Chamber of Commerce hosted monthly board meetings. Safe and Free Environment (SAFE) held traditional arts and craft sessions.
- We provided teleconferencing or videoconferencing access for residents to attend seminars.
- Businesses used our computers for their online reporting requirements.
- Board members of various entities such as the Bristol Bay Telephone Cooperative used Zoom for calling into meetings.

Success Story:

Kurtis Anderson, King Salmon

Kurtis Anderson (shown suiting up for HAZWOPER 40-Hour training) recently moved back to his home community of King Salmon. His HAZWOPER 40-Hour and Confined Space Entry certifications allow him to work as an operator-in-training for the Bristol Bay Borough Waste Water Department.

Kurtis is the “go-to” dry well inspector. He measures flow rate daily and maintains the lagoon filtering system. These are not small tasks, considering the Waste Water Department maintains the system for the seasonal salmon processors and the year-round residents and businesses in Naknek and King Salmon.

These certifications allow Kurtis to earn a living wage and help the Bristol Bay Borough maintain its waste water system..



- Office Space Rental for Safe and Free Environment, Bristol Bay Campus, Kvichak Fish, and Bristol Bay Housing Authority also used our facilities.

Capital Improvements

We had no capital improvements in SFY 2021, but during this coming fiscal year, we plan to acquire land for building a new SAVEC facility.

SFY 21 Accomplishments

SAVEC offered Zoom training for residents this year, as pandemic restrictions prevented travel from villages. This allowed them to earn credentials and continue earning wages without having to leave the region. This training also helped the seafood and support industries maintain a locally trained workforce.

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

Long-Term Programs

- Aircraft Maintenance Technician Program
- Construction Laborer Certificate Program
- Residential Maintenance and Construction Certificate Program
- Rural Facility Maintenance Technician Certificate Program
- Welding Certificate programs are made up of a combination of WELD 101 and 102, plus a 200 or 300 level capstone.

Standalone Long-Term Programs

- Arc Welding and Basic Layout
- Commercial Driver License (CDL) Class A Training
- General Steel Welding and Fabrication Techniques
- Introduction to Welding and Fabrication
- Marine Aluminum Welding and Fabrication Techniques
- Nurse Aide Training
- Pipe Welding
- Structural Welding and Fabrication Techniques
- Specialty Equipment Welding and Design
- Village Police Officer (VPO)/Tribal Police Officer (TPO) Academy
- Welding Safety and Theory

Standalone Short-Term Programs

- Advanced Village Police Officer (VPO)/Tribal Police Officer (TPO) Academy
- Advanced Excel

- Advanced Word
- Boiler Troubleshooting and Burner Repair
- Commercial Driving License Class B Training
- Defensive Driving
- Driver Education
- Intro to Excel
- Intermediate Excel
- Intro to Word
- Intermediate Word
- National Center for Construction Education and Research Instructor Certification Training Program
- Personal Care Attendant to Nurse Aide Bridge
- Personal Care Attendant Training
- QuickBooks Essentials
- State of Alaska Instructional Permit
- Toyo Installation, Troubleshooting, Repair
- Wind Turbine Technician Assistant

High School Programs

- Kuskokwim Learning Academy: Dropout recovery program with work-based curriculum
- Lower Kuskokwim School District Ready Programs: Modified boarding school for academically advanced village students with college ready and career pathway focus
- Summer Alaska Native Science and Engineering Program (ANSEP) Wildlife Biology Camp: 10-day residential camp
- Summer Ready Camps: Two-week program for high school credit. Students participate in one of five pathways: art, science, technology, engineering, and math (STEM), welding, fabrication and engineering, or advanced math.

Articulation Agreements

- Lower Kuskokwim School District: School-to-apprenticeship program and trades program
- University of Alaska Fairbanks Kuskokwim Campus: HLTH F107 Nurse Aide Training

SFY 21 Partners

- Alaska Department of Public Safety
- Alaska Police Standards Council
- Association of Village Council Presidents

- Association of Village Council Presidents, Regional Housing Authority
- Alaska National Guard
- Alaska Native Tribal Health Consortium
- Alaska Native Science and Engineering Program
- Bethel Community Services Foundation
- Calista Corporation
- City of Bethel
- Donlin Gold
- Lower Kuskokwim School District
- Orutsararmiut 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.
- We offer direct-to-work training with our local partner organizations, and in the case of our commercial driving program, can have a student going from unemployed to possessing a nationally recognized and desired credential in a matter of weeks.
- We administer an apprenticeship program with one of our partners, allowing locals to get paid on-the-job training as electricians and plumbers.
- We have the only Driver Education program in our region, and it has given several students the opportunity for employment, pay increases, and advancement in their jobs.
- Our building houses the Dental Health Aide Therapy program administered by the Alaska Native Tribal Health Consortium, providing

Success Story: Charles Ivan, Akiak

Charles Ivan, a recent high school graduate, wanted to continue his education. He had always been interested in construction, but didn't have any experience before signing up at SAVEC. Charles struggled a bit at the start of training, but it didn't stop him from buckling down and doing extra work with classmates and the instructor. By the end of the training session, the instructor and Charles both noted his improvement and increased ability to understand the topic.

Charles has applied to join the Construction Trades program and plans to return to SAVEC to further his construction education.

needed dental care in the region. Our facility prepares therapists to work in rural settings where dental care is not easily accessible.

- Organizations from all over the Yukon-Kuskokwim Delta and Alaska rent or use our facilities for events, meetings, and seminars. The Kuskokwim Learning Academy, Bethel's alternative high school, and the Alaska Native Science and Engineering's Acceleration Academy also use our campus and facilities.

Capital Improvements

We had no capital improvements in SFY 2021 and have none planned for the coming year.

SFY 21 Accomplishments

- We provided 693 services to 367 people.
- 91 percent of our services went to Alaska Native students, and 51 percent were female.
- 72 percent of our students were unemployed or low-income.
- Seven students received their GED.
- Taught driver's education to 73 participants, 89 percent of whom were Alaska Native.
- Four students received certificates in construction labor programs and are returning to continue their education.

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.



UNIVERSITY
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Many Traditions One Alaska

sent each campus and serve the following mission: To create and foster strategies for all secondary students to have local access to and opportunities for dual enrollment, including career and technical education, resulting in an engaged and highly qualified workforce.

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

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

Articulation Agreements

Postsecondary opportunities for K-12 students are coordinated by the provost's offices at UAA, UAF, and UAS and by members of the University of Alaska Transition Coalition (UATC) who repre-

Capital Improvements

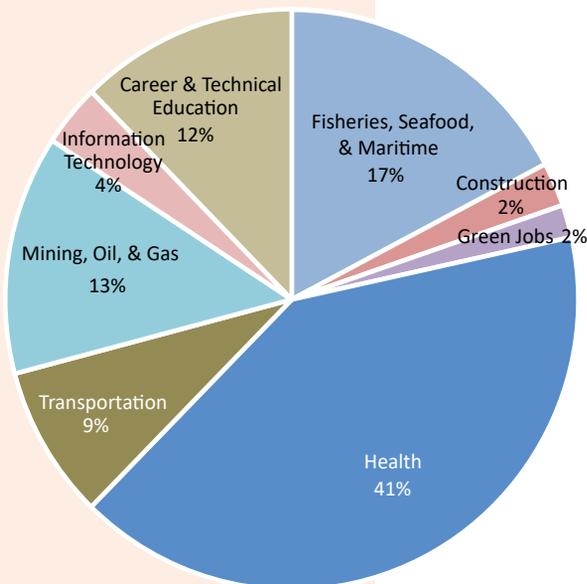
TVEP funded \$836,200 in equipment and lab upgrades at UAA to improve experiential learning. Highlights include:

- Process technology simtronics and distillation simulator, welding equipment, paramedicine simulation equipment and CPR compression

Training Programs

TVEP Supports High Priority Industries

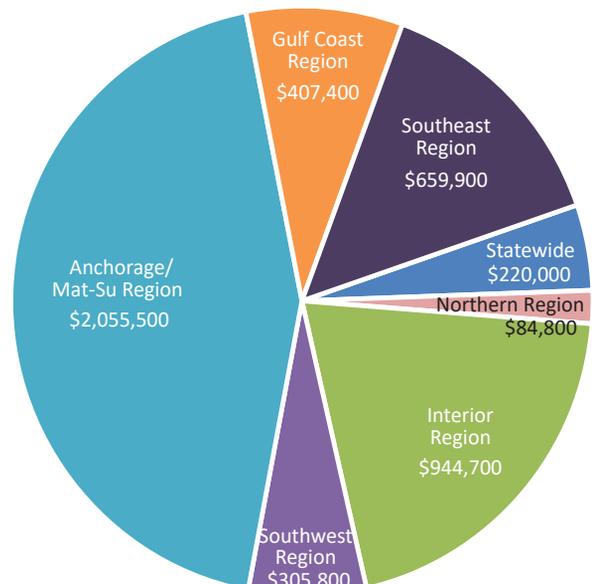
SFY 2021



Regional Impact

TVEP Supports All Regions

SFY 2021



In addition to these totals, the Fairbanks Pipeline training Center received \$768,200 in pass-through funding for construction, oil, and gas.

system, and a bladder scanner and mannequin for the CNA program at Kenai Peninsula College

- Robotics lab start-up, computer networking lab upgrades, paramedicine simulation equipment, and refrigeration and heating equipment at Mat-Su College
- Aviation maintenance and nondestructive testing equipment upgrades, UAV lab, enterprise-class servers and memory upgrade to support cloud infrastructure and Cisco routers for computer networking, and a snap-on torque kit, diesel semi-truck, and Consulab engine lab aid for the automotive program at the Community and Technical College
- Welding lab upgrades at Kodiak College
- Waterjet upgrade and 3-D printers at the College of Engineering
- Patient simulator to serve multiple allied health science programs and radiation tech imaging equipment at the College of Health

TVEP funded \$207,300 in equipment and lab upgrades at UAF to improve experiential learning. Highlights include:

- Seafood processing equipment at Alaska Sea Grant
- Well control simulator and compressor equipment at the Mining and Petroleum Training Service
- Patient mannequins, suture kits, wheelchairs, and commercial grade washer/dryer combo unit for allied health programs; blast chiller for the culinary arts program; welding booth curtains; and fire science personal protective equipment at the Community and Technical College
- Maritime and sustainable energy equipment at the Bristol Bay Campus

TVEP funded \$195,000 to modernize the maritime bridge simulator at the UAS Ketchikan Campus Maritime Training Center. The simulator provides realistic ship simulation in all weather and sea state conditions specific to Alaska waterways and supports courses that result in

students obtaining U.S. Coast Guard credentials and obtaining employment or advancing their careers.

SFY 21 Accomplishments

UA Statewide

- The implementation of Handshake, a national leading career management platform, continued across the UA system to enhance the career development, internship opportunities, job search, and placement experiences for students and alumni along with increasing engagement with Alaska employers.

Despite being limited to remote interactions for a good portion of the year, Handshake allowed all three universities to seamlessly provide more than 400 virtual career fairs and events that allowed employers and students the ability to interact via video, audio, and text. This included quickly notifying more than 65,000 people of the opportunity to staff COVID-19 swabbers and screeners at the Anchorage and Fairbanks airports.

Since the systemwide implementation of Handshake in 2019, more than 400 Alaska-based employer accounts have been added.

- Through the efforts of the Alaska Maritime Education Consortium, UA and the Department of Labor and Workforce Development's Alaska Vocational Technical Center completed a five-year action agenda that was recognized by the Alaska Workforce Investment Board and received a 2021 Center of Excellence for Domestic Maritime Workforce Training and Education designation by the U.S. Department of Transportation, Maritime Administration.

UA Anchorage

- The Community and Technical College Aviation Maintenance program launched an on-the-job training option with industry partners for non-FAA certified employees working in aviation to improve their knowledge and success in achieving certification as aircraft mechanics. Seventy-five percent of

UAA Success Story: Jessica Senter

UAA Community and Technical College Construction Management

Jessica Senter graduated with a B.S. in Construction Management and started her job as assistant project manager at F&W Construction the semester before graduating.

"With construction management, there's never one way to do the job, and every company has their own way of doing things," said Senter. "But in terms of preparing you, I'm really happy with the program, with what we've learned, and there are a lot of opportunities with it."



the technical instruction is available online. Seven students enrolled and completed all 32 modules.

- The Occupational Health and Safety program includes associate and bachelor's degrees that lead to jobs in oil and gas, construction, and industries that require a high level of safety compliance. The program recently expanded its offerings by partnering with Prince William Sound College in Valdez. This increases access and is another step towards achieving accreditation by the Accreditation Board for Engineering and Technology.

- Prince William Sound College received 40 new engines from an industry partner that allowed them to expand basic engine theory training, a part of their maritime program, to high schools in their service area. They also developed an occupational endorsement certificate to expand delivery options in the coming year that will result in an American Boat and Yacht Council certification.



- Alaska Area Health Education Centers provides a scholars program through the College of Health to increase the number of graduates who work in rural and/or underserved communities. With the pandemic, the program pivoted to provide community-based experiences for the scholars that also helped with COVID response efforts. Scholars worked as contract tracers, provided support to frontline workers, made and distributed PPE, supported screening and testing, and assisted with the 211 hotline dispatch.
- Many health programs helped provide a critical workforce as the pandemic increased health care demands across the state. For example, EMT students from Kenai Peninsula College were hired part-time by local fire departments. They continued their paramedic training, and four students found full-time employment after passing their exams.
- To meet growing demand, Mat-Su College

hired a Health Sciences Lab Manager who can coordinate the simulation labs, manage equipment, and maintain supplies between the Nursing, Paramedic, Certified Nursing Assistant, and Emergency Medical Technician programs. The lab provided training to nearly 60 students. Many find jobs locally or in Anchorage medical facilities.

UA Fairbanks

- The Kuskokwim Campus College Readiness Coordinator enrolled 64 secondary students in dual enrollment courses from three school districts to help improve their transition between high school and college, provide first-hand experience to college-level work, and accelerate the time to degree completion.
- Mining and Petroleum Training Service delivered mandatory well control certification training to nearly 90 oil and gas drilling employees. It is the only program in Alaska and is fully accredited by the International Association of Drilling Contractors. The student pass rate is 98 percent.
- Collaboration across the university system and with industry is key to Northwest Campus' success. Through these partnerships, NWC taught more than 100 students in Construction Trades Technology, Health Aid Training, Nursing, Applied Business, Computer Information and Office Systems, and High Latitude Range Management.
- With the addition of a faculty member to the Aviation Maintenance program at the Community and Technical College, two cohorts of 25 students total stayed on track despite pandemic delays. Upon completion, they are prepared to pass their FAA tests to obtain a mechanic certification with airframe and powerplant ratings.
- Sustainable energy is of high value in rural areas where energy costs are significant. The Bristol Bay Campus delivered occupational



UAF Success Story: Stephanie Harvey

UAF Community and Technical College IT Specialist

Stephanie Harvey returned to school after her children were older and is now a networking instructor for the program from which she graduated. She recently received industry recognition for her work from Cisco.

Stephanie said, "My favorite part of teaching is that technology is always changing and there are new things to learn, talk about, and teach. As most teachers would say, I love helping people and I love 'Ah ha!' moments."



certificate courses in sustainable energy to 13 students. The program offers a dual enrollment pathway through the Bristol Bay Region Career and Tech Ed program and is expanding partnerships with city and tribal leaders who seek to improve energy literacy and meet the workforce needs in this growing industry.

- In response to industry, Alaska Sea Grant hired a Seafood Coordinator to help develop and strengthen career pathways between secondary, postsecondary, and workforce programs for seafood occupations that require semi- and advanced skills. This resulted in several programs: a high school internship between the Kodiak Island Borough School District and seafood industry partners, an entry-level human resources program specific to the seafood industry, and an ammonia refrigeration training.

UAS Success Story:

Kelsey McNeil

UAS Ketchikan Campus Maritime Program

After working several seasons for a local tourist company, Kelsey McNeil decided to take the next step in her maritime career and successfully completed the 100-Ton Vessel Captain course. This resulted in a promotion that she has continued to build on by taking additional classes, and this tourist season she was promoted to captain.

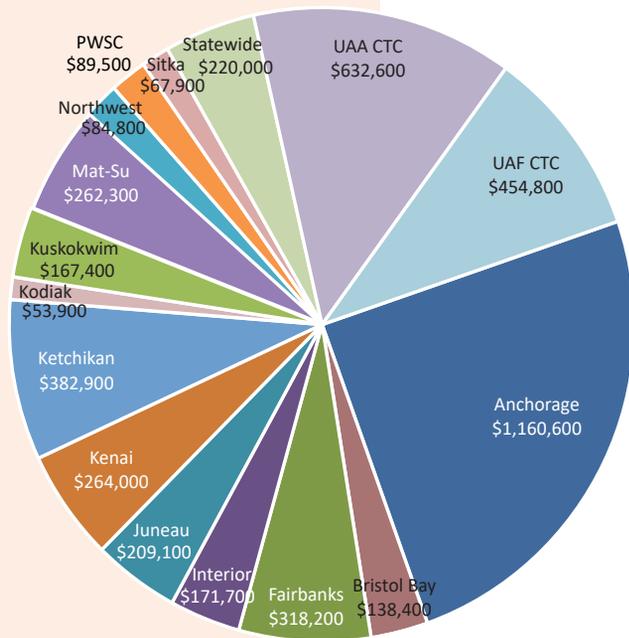
McNeil recently shared why she prefers to train on the Ketchikan campus. "The labs and instructors are great! It's nice to get hands-on experience with the equipment, whether that's a diesel engine or navigating a boat by radar."



The marine simulator lab was seriously realistic and very immersive." The bridge simulator is shown above.

TVEP Supports UA's Campuses Statewide

SFY 2021



In addition to these totals, the Fairbanks Pipeline training Center received \$768,200 in pass-through funding for construction, oil, and gas.

- Interior Alaska Campus delivered health science courses to more than 135 students that include a lab component for careers in dental assisting, medical assisting, paramedicine, and nursing.

UA Southeast

- Career Education in Juneau delivered fixed mechanic courses that apply to the AAS in Power Technology program. Students learned to cut, weld, and fabricate various metals and utilized several types of hand and power tools to maintain and repair plant equipment. To date, the program has placed students in the mills at Greens Creek and Kensington.
- Construction Technology helps address critical infrastructure workforce needs in Juneau and the surrounding area. The program provides a dual enrollment pathway for secondary students to obtain industry-recognized certification and dual credit. Postsecondary students can also pursue an occupational endorsement certificate or an associate of applied science. The



program partners with local contractors, architects, and engineering firms to provide internships and employ graduates.

- With many coastal communities in Southeast Alaska, providing a skilled maritime workforce is in high demand. The Ketchikan Campus Marine Transportation program served 26 students in entry-level to officer-level courses. The program partners with the local high school to expand career awareness of maritime education and career opportunities, and with industry to align the program with their workforce needs. Industry partners include Alaska Marine Highway System, Southeast Alaska Sea Pilots Association, USCG Base Ketchikan, and AMAK Towing.
- The Sitka Campus Medical Assisting program is a combination of in-person and online intensive courses. This program continues to meet industry needs and develop partnerships with health care providers in Southeast Alaska through a collaboration with the UAA Kenai Peninsula College, the program also serves students throughout the Gulf Coast. The program saw a 40 percent increase in student credit hours over the past year and had one of its largest cohorts of 13 students graduate over the summer.

Fairbanks Pipeline Training Center

- Since 2008, UA has honored the fiscal note that accompanied the TVEP reauthorization by designating a portion of UA's annual allocation as pass-through funding to the FPTC. Their programs provide training for construction, the pipeline, health and safety, process technology, commercial driver's licensing, heavy equipment and mechanics, carpentry, and electrical. They also offer introductory classes to high school students and women in the trades, provide rural outreach, and help military transition into the trades.
- FPTC is seeing more high school students who have taken an introductory class return as apprentices or journeymen to take additional classes. Students also come back as service contractors to perform maintenance, applying the skills they learned at the facility.