



University of Alaska Workforce Development

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House Finance UA Subcommittee

February 13, 2020



Agenda

- Introduction
- Partnerships to Address Alaska's Workforce Needs
- TVEP Overview
- UA TVEP Supports Alaska's High-Demand Industries
- Conclusion

Introduction

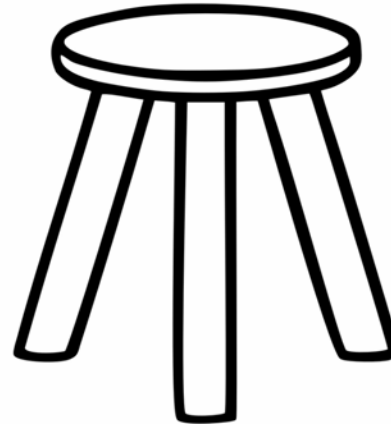
UA BOR Strategic Goals

- Contribute to Alaska's *Economic Development*
- Provide Alaska with a *Skilled Workforce*
- Grow our *World Class Research*
- Increase *Degree Attainment*
- Operate More *Cost Effectively*

UA Approach to Workforce Development

UA provides 92% of postsecondary education in Alaska

Creating and
supporting pathways
into higher education



Providing professional
development for the
existing workforce

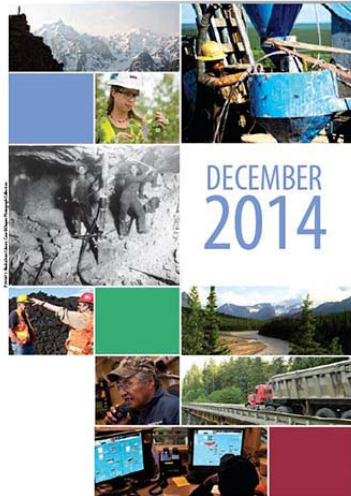
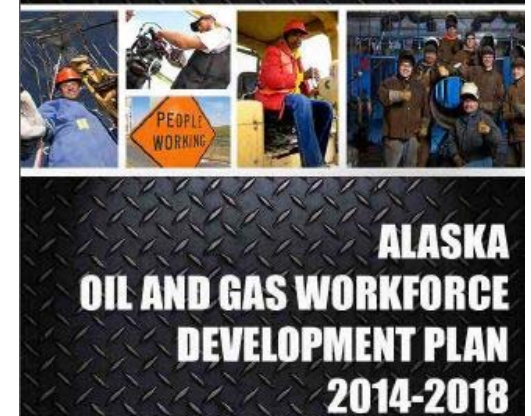
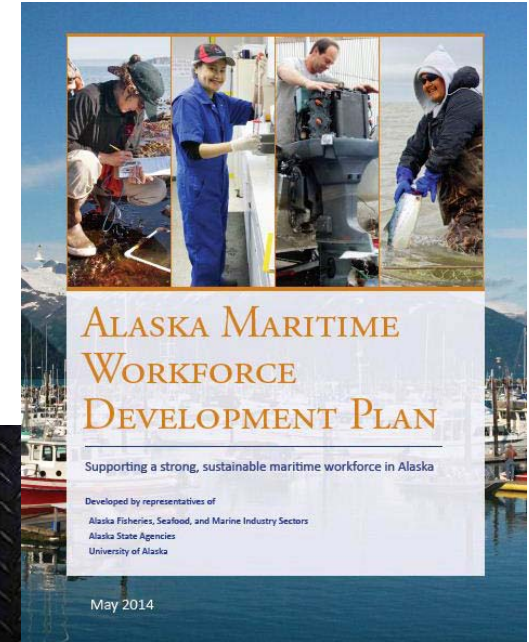
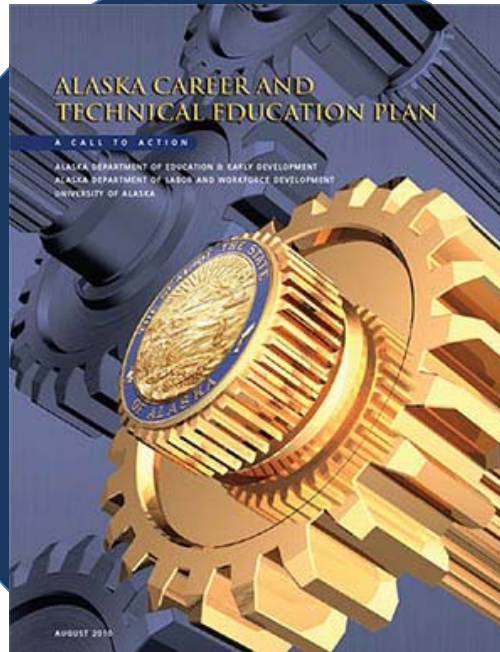
Delivering high-demand programs



Partnerships

**ALASKA HEALTH
WORKFORCE
PLAN**

Prepared by the
Health Workforce
Planning Coalition
for presentation
to the Alaska
Workforce

Alaska Miners Association
Human Resources Committee



UA Partners with K-12 – Dual Enrollment

A Ten Year Analysis – UAA ISER Center for Alaska Policy Research

- Enrollments have increased by 85% since 2008
- Headcount has grown by 49%
- Significant growth among traditional underserved populations
- 93% completion rate
- 3.37 average statewide GPA



41%

Enrolled and attended UA following
high school graduation



Technical Vocational Education Program (TVEP)

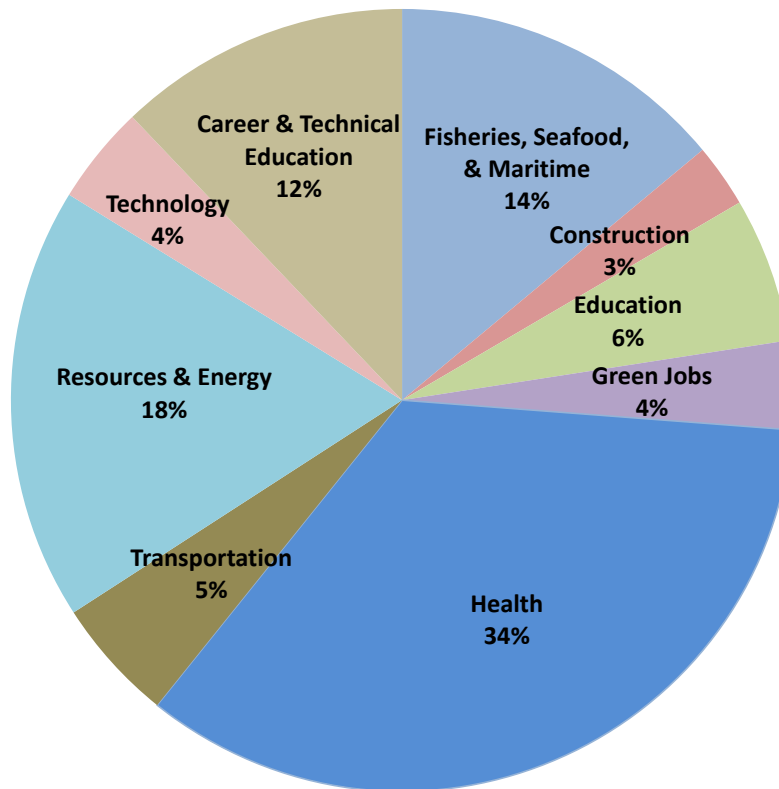


TVEP Overview

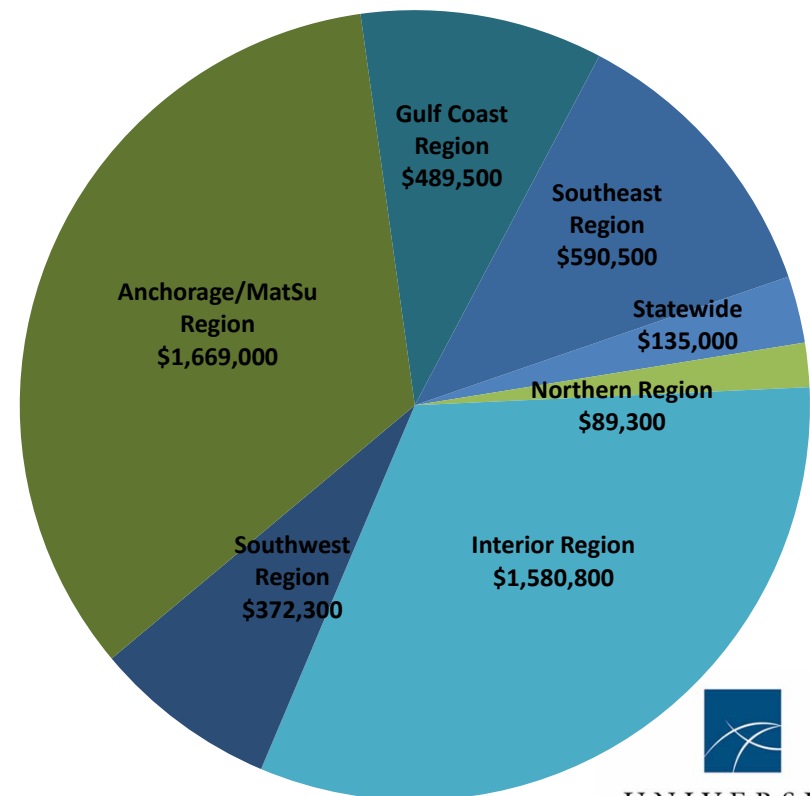
- Program sunsets June 2020
- Administered by Alaska Workforce Investment Board (AWIB)
- Funds high-demand training and education that lead to jobs
- Funded through payroll deductions – ~\$12.4M in FY20
- UA receives 45% of the program dollars – ~\$5.6M in FY20

UA FY19 TVEP ~\$4.9M Funding Distribution

UA TVEP Supports
High Priority Industries
FY 2019



UA TVEP Supports All
Alaska Economic Regions
FY 2019

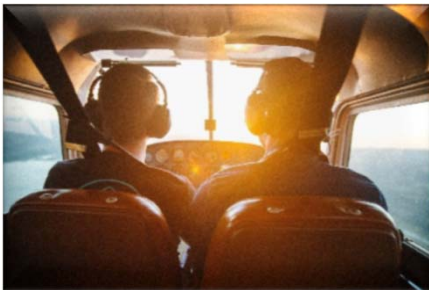




Oil & Gas



Mining



Aviation

UA TVEP FY19 Outcomes

- Adults served = 4,216
- High school students served = 276
- **Total students served = 4,492**
- Supports UA's ability to be responsive to Alaska's high-demand industries
 - Oil & Gas
 - Mining
 - Health
 - Aviation
 - Maritime

Oil & Gas – TVEP Partnerships & Outcomes

PARTNERSHIPS

- Alaska Safety Alliance (formerly Alaska Process Industry Careers Consortium)
- BP Engineering Academies
- Fairbanks Pipeline Training Center
- K-12 School Districts
- Oil & Gas Companies

OUTCOMES

Time Period



TVEP Investment



Graduates



Engineering, non-destructive testing, OSH,
process tech, welding, & well control programs



UNIVERSITY
of ALASKA
Many Traditions One Alaska

Oil & Gas – Student Success

UAF Process Technology Student Ryan McCarty

As a journeyman carpenter, Ryan was looking to change careers and interested in becoming a process operator. After completing his first two semesters in the program Ryan interned over the summer with Alyeska at Pump Station 9, gaining valuable experience. During his third semester, Ryan applied and was hired by Petro Star at their new Fairbanks fuel terminal. He will be graduating with a Process Technology A.A.S. degree spring 2020 while already working in the industry.



Mining – TVEP Partnerships & Outcomes

PARTNERSHIPS

- Alaska Native Corporations
- EXCEL Alaska
- K-12 School Districts
- Mining Companies

OUTCOMES

Time Period



TVEP Investment



Graduates



Engineering, millwright, mine training,
& power technology programs

Mining – Student Success

UAF Underground Mine Training Camp Completer Nikola Maccabee

Following graduation from Anchorage School District's King Tech High in 2019, Nikola attended the underground mine training camp. He did well at the training and was offered a job at Pogo Mine upon completion. Nikola went to work two weeks later, is earning a good wage, and performing well.



Health Sciences – TVEP Partnerships & Outcomes

PARTNERSHIPS

- Fire departments and emergency management services
- Hospitals and health care providers
- K-12 School Districts

OUTCOMES

Time Period



TVEP Investment



Graduates



Health Science & nursing programs

Health Sciences – Student Success

UAA Nursing Science Graduate Whitney Dahl

An Area Health Education Center (AHEC) scholar while in nursing school, Whitney completed clinical rotations in the YK Delta and Norton Sound regions. She is currently employed at Alaska Regional Hospital and plans to eventually live and work in a rural Alaskan community.



Aviation – TVEP Partnerships & Outcomes

PARTNERSHIPS

- Aviation Companies
- Alaska Air Carriers Association
- K-12 School Districts
- Northwestern Alaska Career and Technical Center

OUTCOMES

Time Period



TVEP Investment



Graduates



Aviation maintenance &
professional piloting programs

Aviation – Student Success

UAA Aviation Maintenance Technology Graduate Sarah Snell

Right out of UAA, Snell immediately started working as a fixed-wing pilot and mechanic across the state — from providing bear viewing tours for Smokey Bay Air in Homer to transporting cargo and passengers for Hageland Aviation Services throughout the Yukon–Kuskokwim Delta.



Maritime – TVEP Partnerships & Outcomes

PARTNERSHIPS

- Alaska Vocational Technical Center (DOLWD)
- Maritime Companies
- Maritime Works at Alaska Safety Alliance (formerly APICC)

OUTCOMES



Maritime – Student Success

UAS Maritime Multi Skilled Worker Graduate Deborah Rose

Deborah earned her Qualified Member of the Engine Department (QMED) in October 2019, applied for, and accepted a permanent position as a GVA in the engine department aboard the NOAA vessel R/V Bell M. Shimada.



Conclusion

UA provides 92% of postsecondary education in Alaska.

UA provides a skilled workforce through partnerships with industry, state agencies, and community stakeholders.

State funding, including TVEP, is critical to UA's ability to:

- Create and support pathways into higher education
- Deliver high-demand programs
- Provide professional development for the existing workforce



Thank you

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<http://www.alaska.edu/research/wp/>