



House Resources Committee

March 24, 2025

Mission

Educate students about Alaska's natural resources.

Vision

Empower students to be informed stewards of Alaska's natural resources.

Values

- Innovation
- Collaboration
- Flexibility
- Fun



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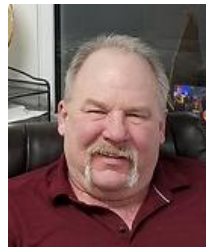
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ARE CORE TEAM



Taylor Burgh
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Natalie Gomez
Events & Marketing Manager



Brant Hylinski
STEM Educator



Naomi Mitchell
Interior Program Coordinator



Leola Rutherford
STEM Educator

K-12 EDUCATION

CLASSROOM VISITS

Guest teaching in schools
across Alaska in person and on
Zoom

YOUTH PROGRAMS

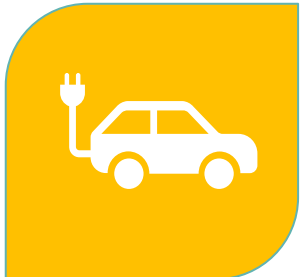
Deeper explorations in after
school programs, STEM nights,
& camps

TEACHER TRAININGS

Educating teachers about our
resources and how to
implement them in the
classroom



ROCKS & MINERALS



ENERGY



FORESTRY



WHAT ARE OUR NATURAL
RESOURCES?



WHERE DO THEY COME FROM
AND HOW DO WE GET THEM?



WHAT ARE THE
ASSOCIATED CAREERS?

Spark



***Spark** interest in learning about Alaska's resources*

Ignite



***Ignite** passion for understanding connections to our resources*

Launch



***Launch** into the next phase with the knowledge to make informed decisions*

Telling the whole story of Alaska's resources

Jobs in Alaska

How do we extract and develop our resources?

Jobs in Alaska

What do we do once we are done with our resources?

Jobs in Alaska

How do we use our resources?



Jobs in Alaska

How do we do all this responsibly and sustainably?

Mining

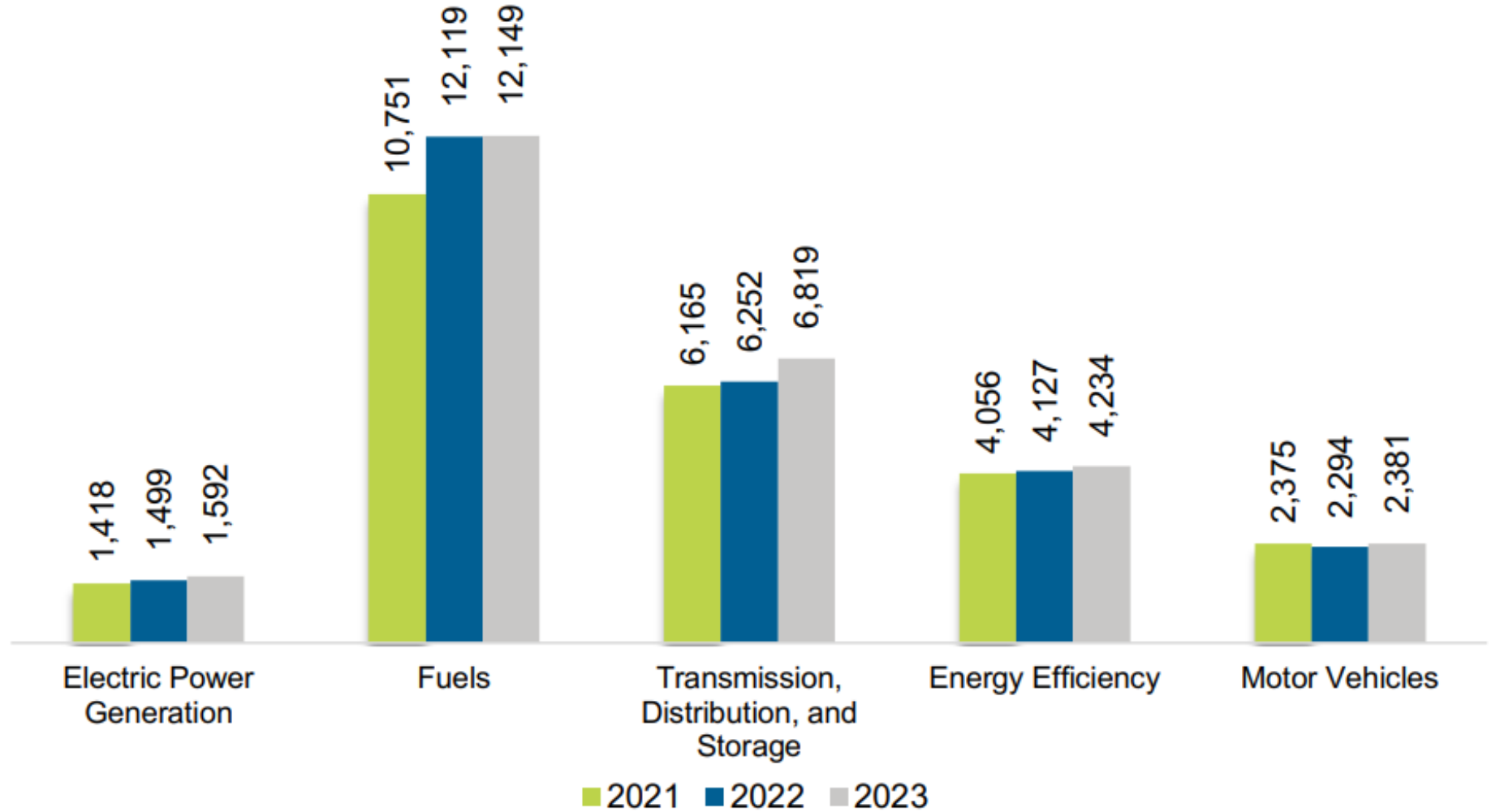
MINING JOBS AND WAGES: KEEPING IT LOCAL

- 11,400 total direct, indirect, and induced jobs and \$1.0 billion in wages statewide.
- 73% average Alaska resident hire at the six large mines.
- Mining employees live in ~90 communities throughout Alaska (see below).



Energy

Figure AK-1. Employment by Major Energy Technology Application



Power Generation

Figure AK-2. Electric Power Generation Employment by Detailed Technology Application

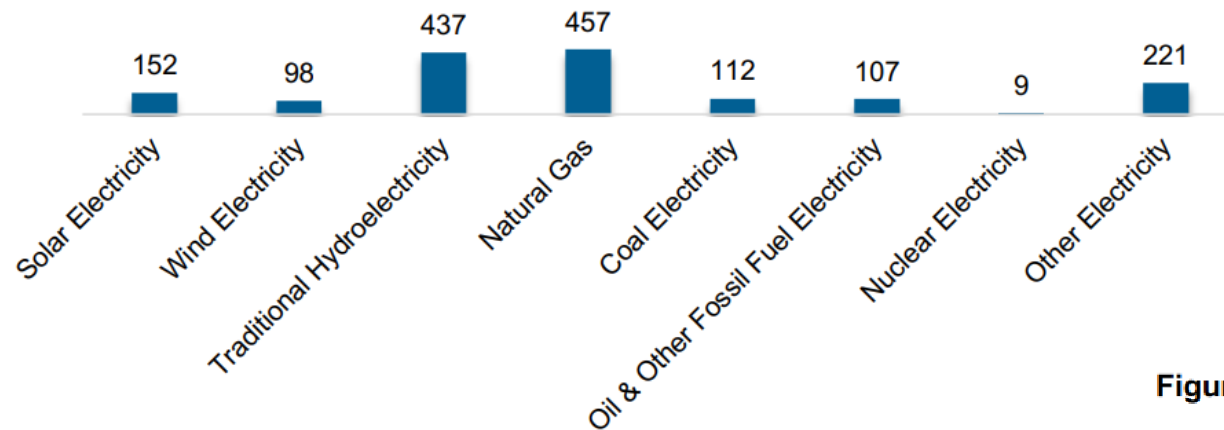
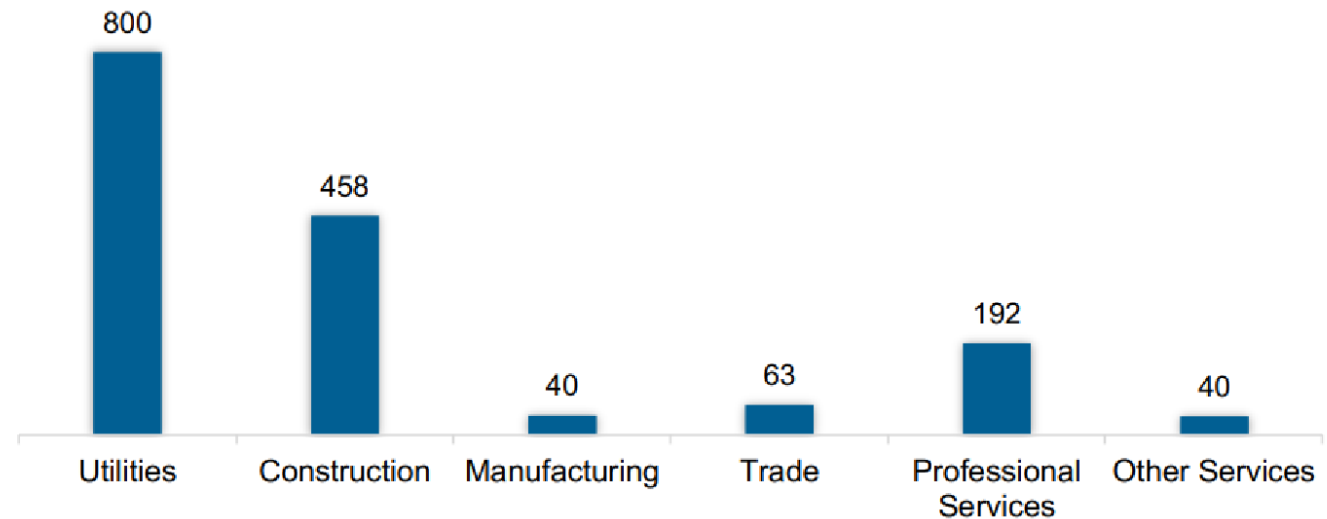
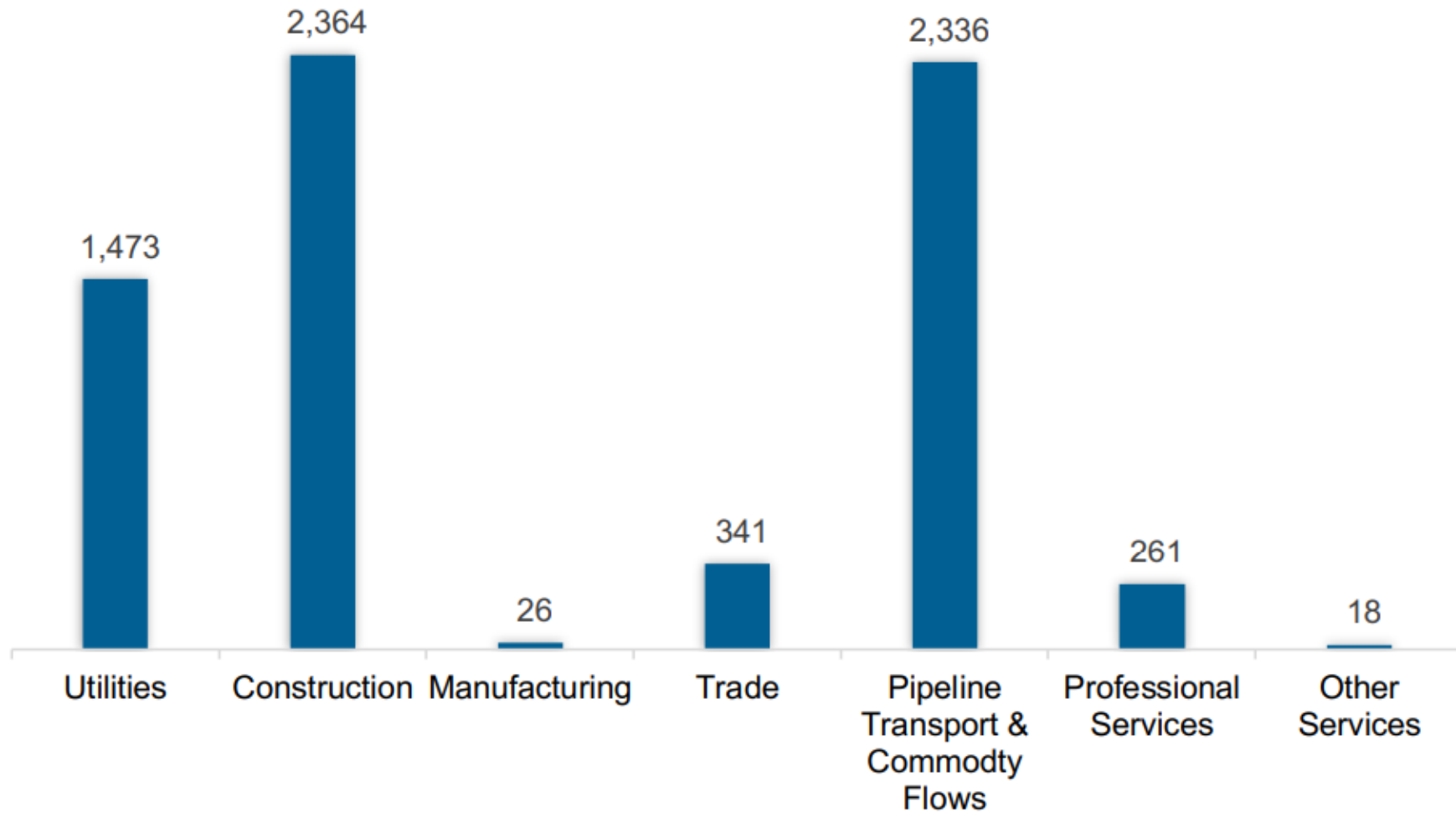


Figure AK-3. Electric Power Generation Employment by Industry Sector



Transmission, Distribution, & Storage

Figure AK-7. Transmission, Distribution and Storage Employment by Industry Sector



Alaska's Oil & Gas Industry continues to be...

A Significant Source of Jobs

**69,250 jobs and
\$5.9 billion in wages**

**16% of all jobs and
17% of all wages in Alaska**

Alaska's Sector with the Highest Economic Impact

**Each Primary Company job
supports 15 jobs**

**\$1 in Primary Company wages
supports \$4 in wages**

Part of Alaska's Future

With **\$14 Billion** invested, by 2028
new production will support...

**+2,700 total jobs annually
+\$215 million in total wages
annually***

What We All Know

Labor Shortage

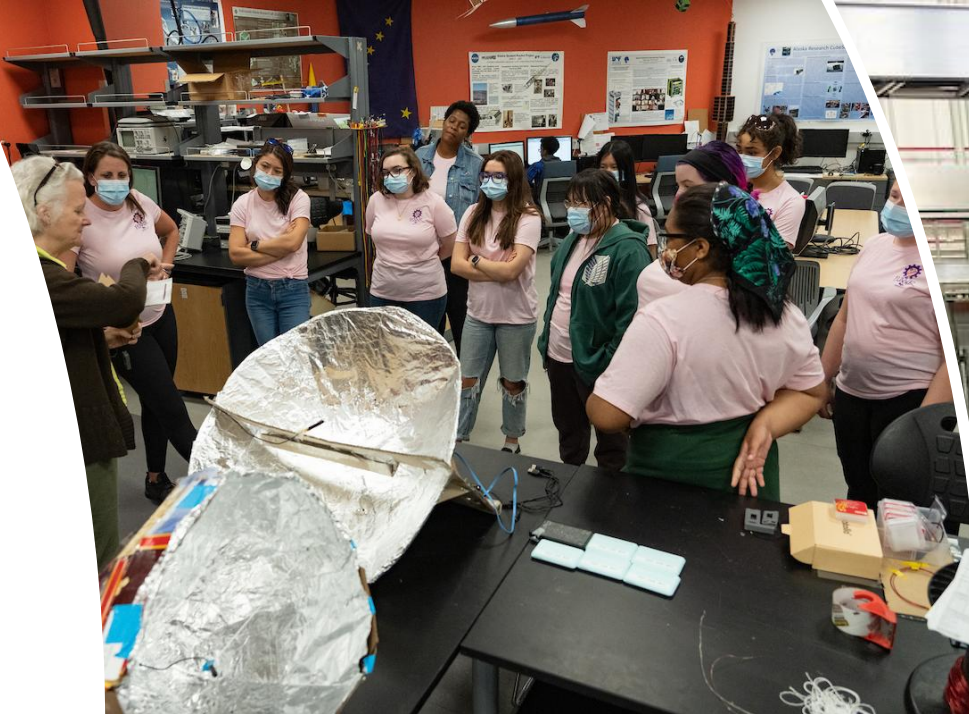
Skills Gap

Lack of “Soft Skills”

Aging Workforce

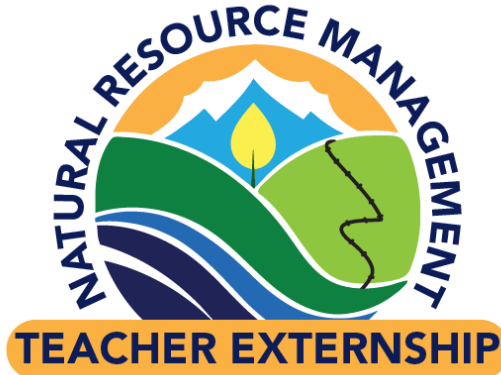
Creating a Pipeline for the Next Generation of STEM Workforce

~65% of students entering
elementary school now,
will have jobs that don't
currently **exist** today.

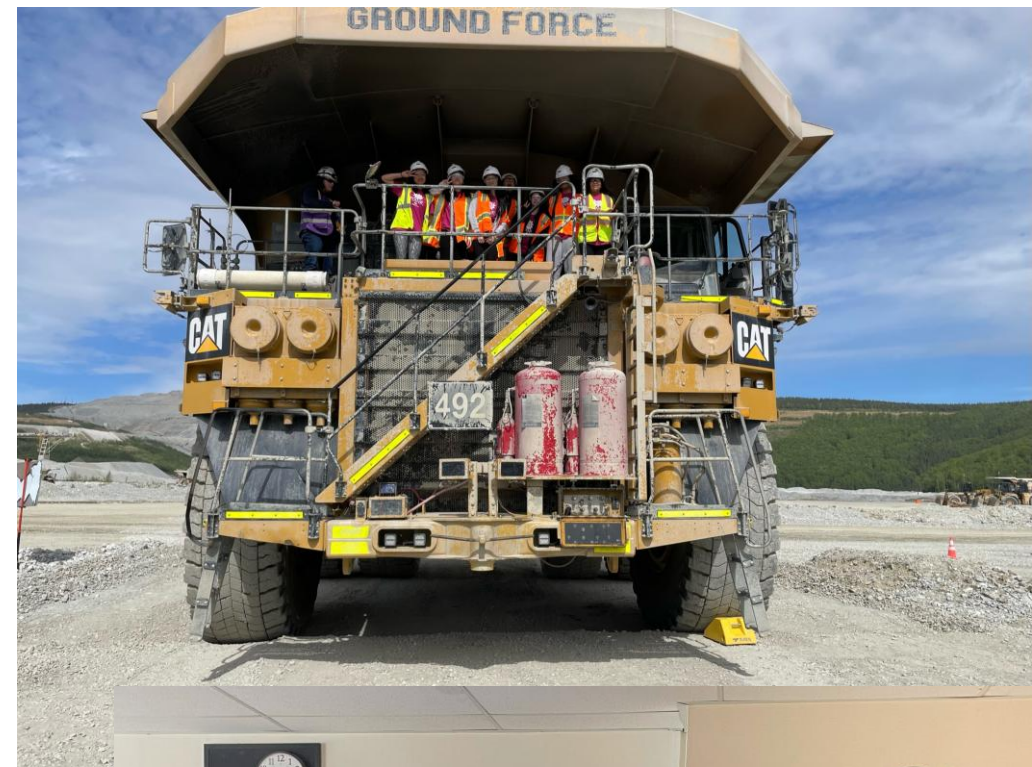




**ARE bridges the gap between
industry and education**



**ARE
Launch
Initiatives**



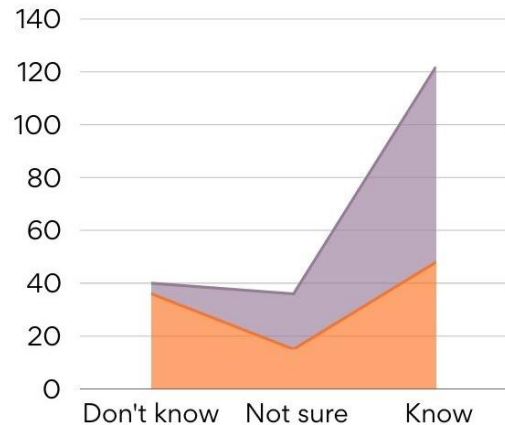


ARE Launch Program Data

PRE/POST STUDENT SURVEY

Impact of Natural Resources

Student understanding of the impact natural resources have on their lives



PRE

POST

Training Opportunities

Percentage of students who knew about training locations in Alaska



45%

Not aware
Before

87%

Aware
After

Career Awareness

Aware of careers : **83%**



Interested in a career: **21%**

Importance

Percentage of students who think learning about resources is important



Min : 0

Max : 100

Value : **88**

*“As someone newer to Alaska, and to modern resource extraction industries, I was ill-prepared to advise about related career paths. **Now I can credibly offer insights and advice about job opportunities, work environments, and education paths.**”*

– East High School teacher

*“Ever since I was a little, I wanted to become a biologist and study wildlife, but I never thought it could be possible. This class has shown me **it is possible** and there are **many job opportunities and different paths in Alaska.**”*

– Dimond High School student

*“I feel like my experiences really **changed my perspectives on both natural resources and future careers available to me.** I also think that the opportunities we had allowed me to **gain confidence** asking questions and interacting with professionals.”*

– POWR participant





Impact in 2024

8,092

Students Taught



22,317
**Student
Contact Hours**



117
Teachers Taught



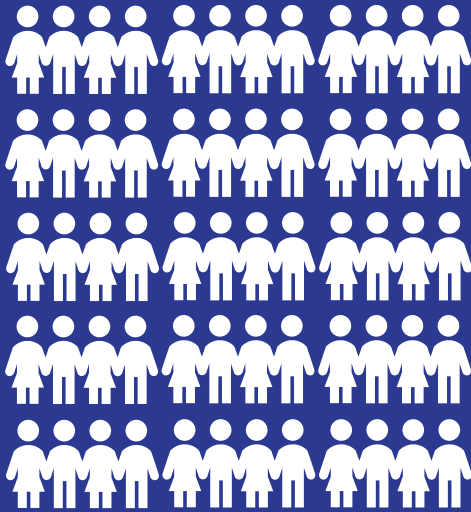
1,035
**Teachers
Contact Hours**



5 Years in Review

2020-2024

39,000+
Students



600+
Teachers



50+
Communities





Alaska Resource
E D U C A T I O N

Thank you!

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