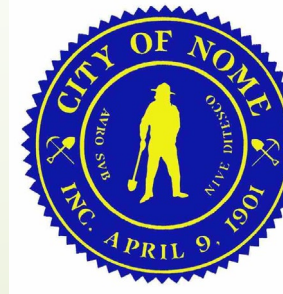
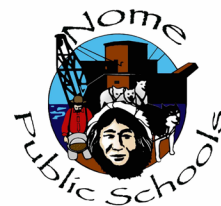




Career and Technical Education (CTE) in the Bering Straits region: A Nome-based Regional Training Center Perspective

Douglas J. Walrath, PhD
NACTEC Director
www.nacteconline.org

Senate Education: March 29, 2023





Workforce Development Mission:

- NACTEC delivers variable term (2-4 week intensive formats) residential CTE programs aligning with priority industries: Healthcare, Transportation, Construction, Hospitality & Tourism, Seafood Harvesting & Processing, Natural Resource Development.
- DMV Approved Driver Education School/ 3rd Party Examiner
- AVTEC Maritime: USCG certified training (certifications)
- UAF-CTC: FAA approval Aviation Maintenance (dual credit)
- Healthcare: HLTH 105 to PCA/CNA/Health Aide



CTE Training & Industry Needs Alignment



knom
RADIO MISSION

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Arctic Deep Draft Port Project in Nome Authorized by Congress

By [Catherine Rubano](#) | January 12, 2021 | 3

April 2022

CITY OF NOME STRATEGIC DEVELOPMENT PLAN
OUTER HARBOR DEVELOPMENT

AFTER YEARS OF WAITING, THE ARCTIC DEEP DRAFT PORT project in Nome was authorized by Congress on December 21st and is ready to move forward.

1. \$600M Congress appropriation for a Deep Draft Port in Nome (800+ jobs)
2. Graphite Creek – highest grade large flake graphite deposit in U.S.

US government gives high priority status to Graphite One's Alaskan project

[Northern Miner Staff](#) | February 3, 2021 | 12:02 pm [Exploration USA](#) [Graphite](#)



Drill platform at Graphite One's Graphite Creek project in western Alaska. Credit: Graphite One

SIGN UP FOR THE MINING
NEWS DIGEST

Sign Up

Heavy Equipment Operator Training



Fisheries/Seafood/Maritime Industries





Challenges/Issues:

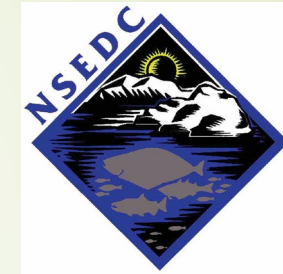
- Nome Housing shortage/Utilities
 - Heating Fuel \$7.20/gallon
- Certified Teachers – shortage
- DEED Residential Stipends
 - Flat funded since FY15
- Alaska Education Tax Credit



Alaska Education Tax Credit (ETC)

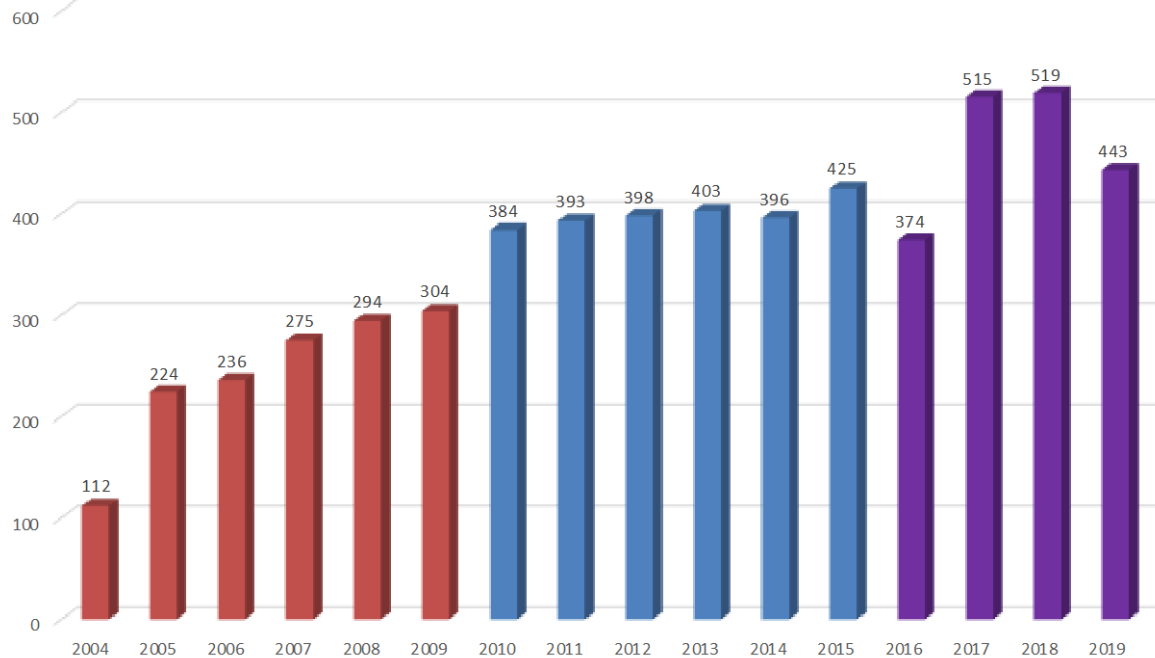


Fiscal Year	ETC Total	Budget Total	% ETC
FY10	400K	1.3M	31%
FY11	200K	1.32M	15%
FY12	550K	1.39M	40%
FY13	200K	1.24M	16%
FY14	300K	1.17M	26%
FY15	405K	1.76M	24%
FY16	595K	1.7M	36%
FY17	506K	1.65M	30%
FY18	542K	1.69M	29%
FY19	509K	1.86M	30%
FY20	280K	1.67M	16%
FY21	120K	1.8M	7%
FY22	184K	2.5M	7%

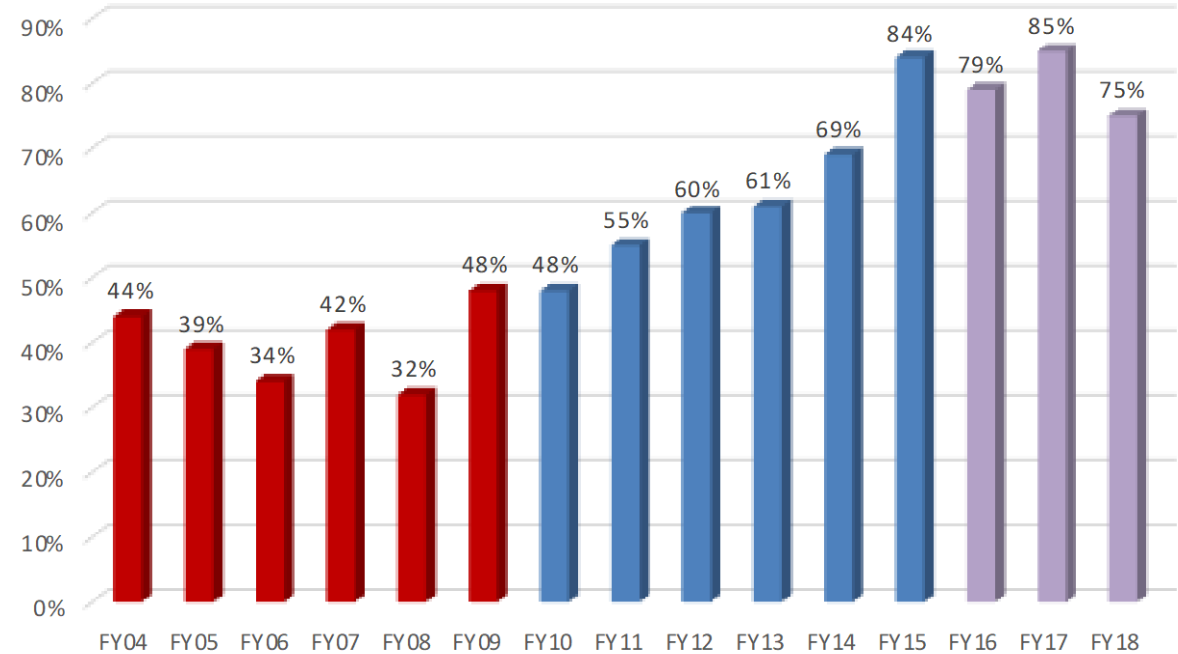


Impacts: Graduation (Right) Enrollment (Below)

NACTEC Annual Enrollment, FY04-FY19



BSSD Graduation Rates

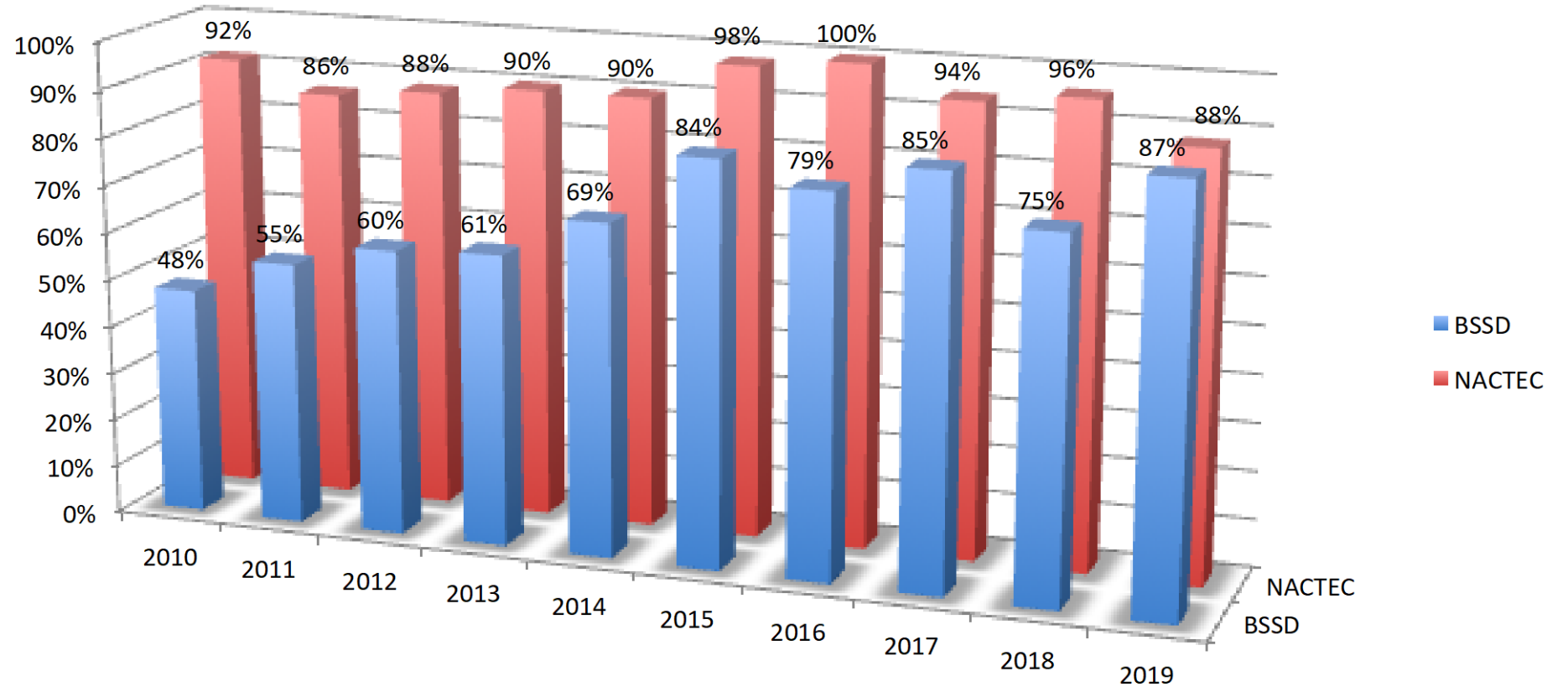


- FY04-08: 38% average Graduation Rate
- By NACTEC Year #8, graduation rates > 50% & increase to an average of 81% by FY16-19.
- FY10-18: BSSD has 822 graduates & 276 dropouts
 - 83% of all dropouts didn't attend NACTEC
 - 54% of 2018 grads attend NACTEC. 3.5 programs on average = 7 weeks of high school



Impacts:

FY10-FY19 NACTEC Ave. "Graduation Rate" for BSSD Students (92%) vs. BSSD Ave. Graduation Rate (70%)



Alaska Native Engineering Education Development Project (STEM Education)



Experiential Learning Platform: Virtual Reality Small Engine Repair



NACTEC Phase I – VR Small Engine Repair (right):
<https://vimeo.com/802826448>

NACTEC Shop Walkthrough (pictured above):
<https://my.matterport.com/show/?m=QpYzfo2efjr>

