

Supervisors of Construction and Extraction Workers (47-1011)

Occupation description: Directly supervise and coordinate activities of construction or extraction workers.

Employment and Job Openings

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
Alaska	810	835	3.1	26	52	81
United States	602,500	678,300	12.6	20,500	40,400	68,480

Job outlook

Alaska: Alaska's employment growth is low with high employment opportunities. [Read more.](#)

2018 Wages

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	33.91	20.11	25.18	31.36	40.50	50.83
Alaska	45.78	27.58	33.92	42.91	53.15	67.63
Anchorage/Mat-Su Area	44.33	27.07	34.71	43.86	51.26	65.38
Fairbanks North Star Borough	40.11	30.07	32.96	37.48	46.30	56.85
Balance of State	48.80	27.32	33.79	43.49	57.26	76.85

Labor Force Indicators

2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
1,087	376	34.6	67.6	54.7

2016 Potential Supply

Qualified but working in another occupation	283
Currently employed in a lower paid occupation	187
UI claimants previously working in occupation	248

2016 ALEXsys Employment Data

Number of registrants	426
Number of job position postings	31
Ratio of registrants to job position postings	13.7

Typical Entry-level Education, Experience, and/or On-the-job Training

Education: High school diploma or equivalent

Work experience: More than 5 years **On-the-job training:** None

Training Resources

	Degree
Advanced Framing Techniques	
AK Warm - Energy Use Software, an Introduction for Builders	
AK Warm Basics 101	
AKWarm for Building Energy Design and Analysis	
Anatomy of a Cold Weather Window: 2-Hour	
Anatomy of a Cold Weather Window: 8-Hour	
Appropriate Sustainable Design of Buildings and Constructions	
BEES - Alaska Building Energy Efficiency Standard	
BEES Certification 2008	
Blower Door Introduction	
Blower Door Testing Certification Workshop	
Blueprint Reading Basics	
Breathing in Buildings – 3-Hour	
Breathing in Buildings - 4-Hour	

	Degree
Bricklayer Apprenticeship	

	Degree
Build America in Alaska	
Build America Program: Help for Builders	
Building on the Edge: Better Building through Common Sense	
Building Science and Technology in the North	
Building Science for Dummies	
Building the P.E.R.S.I.S.T. House	
Caulking the Weathertight Building Envelope	
Changes to IRC for 2006	
Climate Change Impact on Shelter and Infrastructure in the North	
CO - Are You Alarmed: 1-Hour	
CO - Are You Alarmed: 2-Hour	
Cold Climate Homebuilding: Contractor Residential Endorsement Workshop	

Cold Climate Homebuilding: Foundations	
Cold Climate Homebuilding: Making Houses Work	
Cold Climate Homebuilding: Roofs	
Cold Climate Homebuilding: Walls	
Complying with Ventilations Requirements of BEES	
Construction Planning and Management: Rural Focus	
Construction Planning and Management: Urban Focus	
Energy Programs in Alaska	
Energy Retrofit of an Existing Home	
Energy, Alternative Energy Systems and Infrastructure	
Exterior Ventilated Cladding	
Flashing/Indoor Air Quality	
Flashing: the Naked Truth	
Foundations and Crawl Space Ventilations	
Getting to Zero Energy in Alaska Homes	
Green Building Products	
Hand and Power Tool Safety	
Health House 1: The Health House Advantage	
Health House 2: Building the Health House	
Healthy Air: What You Should Know about the Air You Breathe	
Ice Dams and Icicles = Heat Loss	
Introduction to Green Building	
Introduction to Green Building - 4 hour version	
Introduction to Solar Energy Design	
Introduction to Solar Thermal Energy	
Is Your Garage Making You Sick: House-Garage Connection	
Log Homebuilding Design and Techniques: 06-Hour	
Log Homebuilding Design and Techniques: 08-Hour	
Log Homebuilding Design and Techniques: 16-Hour	
Maritime Building Considerations: 1-Hour	
Maritime Building Considerations: 2-Hour	
Mold and Moisture in the Healthy House	
Multi-Family Buildings: How are they Different from Single Family Homes	
NAHB Green Building Guide Section 1: Introduction and Lot Design, Preparation and Development	
NAHB Green Building Guide Section 2: Resource Efficiency	
NAHB Green Building Guide Section 3a: Energy Efficiency 1	
NAHB Green Building Guide Section 3b: Energy Efficiency 2	
NAHB Green Building Guide Section 4: Water Efficiency	
NAHB Green Building Guide Section 5: Indoor Environment Quality	

NAHB Green Building Guide Section 6: Operation, Maintenance, and Homeowner Education	
NAHB Green Building Guide Section 7: Global Impact	
NAHB Green Building Guide Section 8: Sustainable Community Development	
NAHB Green Building Guidelines Section 2: Resource Efficiency	
NAHB Green Building Guidelines: Building Green in Alaska	
No Birds Just BEES	
Of Mold, Moisture and Other Things	
Passive Ventilation	
Preventing and Solving Air Quality Problems in Homes	
Proposed Changes to BEES	
Radon Control Strategies for New and Existing Homes	
Rating a Log Home	
Remote Construction Techniques	
Solutions to Preventing Moisture Scare	
Structural Insulated Panel Systems: Preventing Failures	
Successful Building Envelopes: 1-Hour	
Successful Building Envelopes: 2-Hour	
Summer Symposium	
Sustainable and Appropriate Shelter Issues for First Nations Peoples	
The Business Case for Green Building Development	
The Effect Energy has on Building Development	
The How's and Whys of Building Diagnostics	
The Nature of Wood: 1-Hour	
The Nature of Wood: 2-Hour	
The New State of the Art CCHRC Research and Testing Facility	
Trusses	
Ventilation Strategies for Existing Homes	
Ventilation Strategies for New Homes	
Ventilation System Design and Installation	
Ventilation: Understanding ASHRAE 62.2	
Vinyl Windows in the Arctic	
Weatherization Technician 1 Training	
Weatherization Technician 2 Training	
What's New in Residential Building Codes	
Where Health and Housing Meet	
Windows/Insulation	

Degree

Carpenter Apprenticeship	
Concrete and Masonry	
Confined Space Entry	
Electrical Hazards	
Electrician Apprenticeship	
Fall Protection	
Fire Detection and Protection	
Fire Prevention	
Hazard Communication	
Hazard Recognition Training, 16-Hour EM 385-1-1	
Hazard Recognition Training, 40-Hour EM 385-1-1	
Health Hazards in Construction	
Insulator Apprenticeship	
Introduction to OSHA - Construction	
Introduction to OSHA - General Industry	
Lockout and Tagout	
Machine Guarding	
OSHA 10-Hour Outreach for Construction	
OSHA 10-Hour Outreach for General Industry	
OSHA 30-Hour Outreach for Construction	
OSHA 30-Hour Outreach for General Industry	
Personal Protective Equipment	
Pipefitter Apprenticeship	
Plumbing Apprenticeship	
Safety Programs and Subpart C	
Scaffolds	
Sprinkler Fitter Apprenticeship	
Stairways and Ladders	
Standards and Inspection Procedures	
Walking and Working Surfaces	

	Degree
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Alaska Carpenters Training Trust (Anchorage)

Carpentry/Carpenter Apprenticeship	Certificate
Scaffold Erector	

	Degree
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Alaska Craftsman Home Program (Anchorage)

Advanced Cold Climate Home Building Techniques	
Building Energy Efficiency Standard	

How to Choose a Contractor	
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	Degree
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Alaska Housing Finance Corporation (Anchorage)

Air Leakage	
Building Compliance Certification 2012	
Building Science Basics	
Crawlspaces	
Doors and Windows	
Ice Dams	
Insulation	
Lighting and Appliances	
Read Your Rating	
Secrets and Science of Energy Efficiency	

	Degree
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Alaska Job Corps (Palmer)

Carpentry Helper - Level 1	
Pre-Apprentice Electrician	

	Degree
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Alaska Joint Electrical Apprenticeship and Training Trust (Anchorage)

Inside Wireman	Certificate
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	Degree
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Alaska Petroleum Academy (Kenai)

Confined Space Entry (8 Hours)	
Confined Space Rescue (16 Hours)	

	Degree
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Alaska Teamster-Employer Service Training Trust (Anchorage)

OSHA 10 Hour General Construction	
OSHA 30 Hour General Construction	

	Degree
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Alaska Technical Center (Kotzebue)

Basic Plumbing	
Construction Trades	
Construction Trades/Plumbing Systems/Electrical Systems	
Electrical Systems/Heating Systems/Plumbing Systems	
NCCER Carpentry	

NCCER Core Curriculum	
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Degree

Alaska Trowel Trades (Anchorage)

Plasterers & Cement Masons	Certificate
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Degree

Alaska West Training Center (Fairbanks)

Fall Protection - S08	
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Permit Required Confined Space Entry - S01	
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Permit Required Confined Space Entry and Fire Watch - S01a	
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Permit Required Confined Space Rescue - S02	
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Degree

Alaska Works (Anchorage)

Basic Construction Academies	
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Electrical Pre-Apprenticeship Training	
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Pipeline Training	
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Women in the Trades	
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Degree

American Health and Safety, LLC (Fairbanks)

Aerial Lift/Man Lift Training	
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Fall Protection	
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OSHA 10 Hours	
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OSHA 40 Hours	
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Degree

Amundsen Educational Center (Soldotna)

Advanced Residential Construction	Voc Diploma
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Residential Construction	Voc Diploma
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Degree

Associated General Contractors of Alaska (Anchorage)

AK CESCL 1-Day Certification Renewal	
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Alaska Certified Erosion and Sediment Control Lead Storm Water Training (AK-CESCL)	
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Construction Quality Management Training	
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Writing a Storm Water Pollution Prevention Plan (SWPPP)	
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Degree

AVTEC (Seward)

Construction Technology	
Industrial Electricity	Certificate
Plumbing and Heating	Certificate

	Degree
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Beacon Occupational Health and Safety Services (Anchorage)

Confined Space Entry (OSHA and NSTC Offered)	
Confined Space Rescue (OSHA)	
Fall Protection (NSTC and OSHA Offered)	

	Degree
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Center for Employment Education (Anchorage)

OSHA 10 hour	
OSHA 30 hour	

	Degree
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Environmental Management Inc (Anchorage)

Asbestos Abatement Certification	Certificate
Confined Space Procedures	Certificate
EPA/AHERA Inspector Initial	Certificate
EPA/AHERA Management Planner Initial	Certificate
EPA/AHERA Management Planner Refresher	Certificate
EPA/Lead Renovation, Repair, and Painting	Certificate
Hazardous Painter Initial - 16 Hours	Certificate
Hazardous Painter Refresher - 8 Hours	Certificate
OSHA 10/30 Hour General Industry	
OSHA Construction Outreach - 10 Hours	Certificate
OSHA Construction Outreach - 30 Hours	Certificate
OSHA General Industry Outreach - 30 Hours	Certificate
Scaffold Safety and Fall Protection	Certificate
Trenching, Excavating & Shoring	Certificate

	Degree
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Fairbanks Area Plumber and Pipefitters (Fairbanks)

Plumbing and Pipefitting Apprenticeship	
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	Degree
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Fairbanks Carpenter Training Center (Fairbanks)

Carpentry Apprenticeship	
Carpentry Journeyman Skills Enhancement	

	Degree
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Galena Interior Learning Academy (Galena)

Construction Technology	
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	Degree
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Heat and Frost Insulators and Allied Workers Local 97 (Anchorage)

Insulators/Asbestos Apprenticeship	
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	Degree
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Iisagvik College (Barrow)

Carpentry I	Endorsement
Construction Management	Endorsement
Construction Technology	AAS
Construction Technology I	Certificate
Construction Technology II	Certificate
Electrical I	Endorsement
Pipefitting I	Endorsement
Pipeline Insulation	Endorsement
Plumbing I	Endorsement
Scaffolding I	Endorsement

	Degree
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International Union of Painters and Allied Trades, Local 1959 (Anchorage)

Drywall Finisher	
Floor Covering	
Glazier - Glassworker	
Painting	

	Degree
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LTR Training Systems, Inc. (Anchorage)

Confined Space Entry	
Confined Space Rescue	
Defensive Handgun Training For Aggressive Wildlife	

	Degree
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Northern Industrial Training (Palmer)

Advanced Carpentry Level 1TRADES603	
Aerial Lift/008	
Confined Space Entry/011	
Confined Space Entry/011	
Energy Isolation-Lockout/Tag Out/018	

Fall Protection Authorized User	
Fall Protection Competent Person / 015	
Fall Protection Introduction to Industrial Rescue/014	
Fall Protection, Introduction to Industrial Rescue/014	
Hazardous Waste Supervisor 8 Hour/034	
NCCER Pipefitting Level 1/W409	Certificate
NCCER Pipefitting Level 2/W410	Certificate
NCCER Pipefitting Level 3/W411	Certificate
NCCER Pipefitting Level 4/W412	Certificate
OSHA 10 Hour Construction / 020 Training	
OSHA 10 Hour General Industry / 021	
OSHA 30 Hour Construction / 022	
OSHA 30 Hour General Industry / 023	
OSHA Aerial Platform - Manlift in Alaska	
Project Management & HSET	
Project Management 115 Hour	
Project Management/TRADES615	

Degree

Painters and Allied Trades, Alaska Local 1959 (Anchorage)

Drywall Finishers	
Floor Coverers	
Glazier	
Painter	

Degree

Partners for Progress in Delta, Inc (Delta Junction)

Basic Hand & Power Tools	
Electrical Training	
Facilities Maintenance	
Mathematics for the Trades	

Degree

Plumbers & Steamfitters Joint Apprenticeship Training Committee (Anchorage)

Plumbers and Pipefitters Apprenticeship	
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Degree

Satori Group Inc (Anchorage)

AHERA Building Inspector Initial	Certificate
AHERA Building Inspector Refresher	Certificate
Asbestos Awareness	Certificate

Asbestos Contractor/Supervisor Initial	Certificate
Asbestos Contractor/Supervisor Refresher	Certificate
Asbestos Operations and Maintenance	Certificate
Confined Space Entry	Certificate
Fall Protection	
Lead Awareness	Certificate
OSHA Outreach Training, 10 Hour	Certificate
OSHA Outreach Training, 30 Hour	Certificate
Renovation Repair Painting (RRP) Initial	
Renovation, Repair, and Painting (RRP) Refresher	
Trenching and Excavation Competent Person Training	Certificate

Degree

Southwest Alaska Vocational and Education Center (Igiugig)

Building Construction & Repair	Certificate
Carpentry & Plumbing	Certificate
General Maintenance Tech	Certificate
NCCER Carpentry Core and Level I	Certificate
NCCER Core Curriculum - Fiberglass	

Degree

TSS - The Safety Specialists (Ketchikan)

OSHA Compliance Training	
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Degree

University of Alaska Anchorage (Anchorage)

Electrical	OEC
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Degree

University of Alaska Anchorage, Kodiak (Kodiak)

Construction Technology	CT1
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Degree

University of Alaska Anchorage, Mat-Su (Palmer)

Residential Air Condition & Refrigeration	OEC
Residential Heat/Vent	OEC

Degree

University of Alaska Fairbanks, Bristol Bay (Dillingham)

Basic Carpentry	OEC
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Degree

University of Alaska Fairbanks, Chukchi (Kotzebue)

Basic Carpentry	OEC
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Degree

University of Alaska Fairbanks, Kuskokwim (Bethel)

Basic Carpentry	OEC
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Degree

University of Alaska Fairbanks, Northwest (Nome)

Basic Carpentry	OEC
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Degree

University of Alaska Fairbanks, Rural College (Fairbanks)

Associate of Science	OEC
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Basic Carpentry	OEC
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Degree

University of Alaska Southeast, Juneau (Juneau)

Building Energy Retrofit Technician	OEC
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Construction Technology	AAS
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Construction Technology	CT2
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Construction Technology	OEC
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Degree

University of Alaska Southeast, Sitka (Sitka)

Construction Technology	OEC
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Degree

University of Alaska, Mining and Petroleum Training Service (Soldotna)

Confined Space Entry	
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PC Well Intervention Supervisory Level	
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Well Control Drilling Level Surface Stack	
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Well Control Introductory Level Surface Stack	
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Well Control Supervisory Level Surface Stack	
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Well Control Supervisory Level Surface/Subsea	
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Degree

Vocational Training and Resource Center (Juneau)

Carpenter	
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Degree

Wisdom & Associates, Inc. (Kenai)

2009 International Residential Code, Part 1	
2009 Uniform Plumbing Code	
2009 Uniform Plumbing Code, Alternative Pipe Sizing Methods	
2009 Uniform Plumbing Code, Water Heaters	
2012 International Residential Code	
2012 International Residential Code, Part 2	
2012 Uniform Plumbing Code	
2012 Uniform Plumbing Code, Water Heaters	
Advanced Blower Door	
Advanced Building Science	
AEE - Certified Energy Auditor Class	
Basic Blower Door	
Basic Building Science	
Basic Building Science Review	
Benchmarking & Utility Analysis	
Benchmarking & Utility Analysis - AHFC Sponsored	
Blower Door & Pressure Diagnostics	
BPI Field Testing Procedure Review	
Building Compliance Certification 2012	
Building Science Review	
Building Techniques for Cold Climates	
Building Techniques for Cold Climates & Residential Endorsement Test Prep	
Commissioning & Retro-Commissioning - AHFC Sponsored	
Energy Efficient Retrofits of Existing Buildings (Module 9) - AHFC Sponsored	
ICF Wall Requirements - AHFC Sponsored	
Introduction & History to Green Building & Environmental Issues - AHFC Sponsored	
Is this House Sick?	
Killer Houses: The Good, The Bad & The Ugly	
Lead Safety for Repairs, Renovations & Painting - Alaska	
Lighting Retrofit Fundamentals	
Lighting Retrofit Fundamentals - AHFC Sponsored	
NAHB's Green Building for Building Professionals	
Negative Pressure Imbalances	
Overview of the BEES Ventilation Standard	
Policy & Codes That Support Energy - AHFC Sponsored	
Remote Wall Systems	
Residential Endorsement Test Prep Course	
Residential Lighting & Efficiency	
Roofs - AHFC Sponsored	
Sizing of Heating Systems with AkWarm	

The Economics of Energy Efficiency - Financial Costs & Benefits - AHFC Sponsored	
Thermal Envelope & Heating Analysis	
Thermal Envelope & Heating Analysis - AHFC Sponsored	
Understanding Building Energy Use/Building Behavior - AHFC Sponsored	

	Degree
Yuut Elitnaurviat (Bethel)	
Construction Trades	Certificate

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