



Arctic Energy
Alliance

WPAC: Ottawa, September 2023



Sheena Adams
Program Coordinator





Arctic Energy Alliance

Mission

“To promote and facilitate the adoption of efficient and renewable energy practices by all members of NWT Society.”

Background

Not-for-profit, non-governmental organization, set up in 1997.



AEA Regional Offices



South Slave – Hay River



North Slave - Yellowknife



Dehcho – Fort Simpson



Sahtu – Norman Wells



Tłı̄chǝ – Behchokǝ



Beaufort-Delta – Inuvik

AEA Areas of Activity

Our clients are

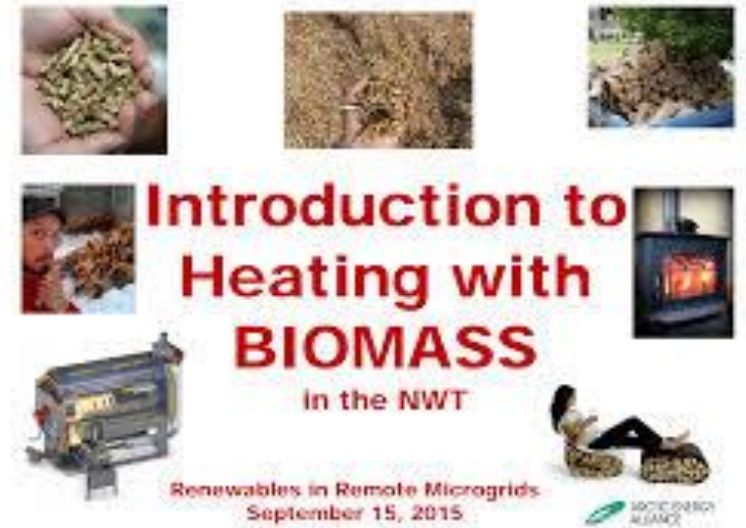
- Individuals
- Businesses
- Institutions
- Communities
- Non-profit organizations
- Indigenous Governments

We know about

- Energy Conservation
- Energy Efficiency
- Renewable Energy


Supporting Biomass in the NWT

- ▶ Biomass Week
- ▶ Tours
- ▶ Videos
- ▶ Energy Efficiency Rebates
- ▶ Alternative Energy Technology Rebates
- ▶ Project Coordination
- ▶ Education
- ▶ Collaboration



**Introduction to
Heating with
BIOMASS**
in the NWT

Renewables in Remote Microgrids
September 15, 2015



Biomass Week - Virtual Event

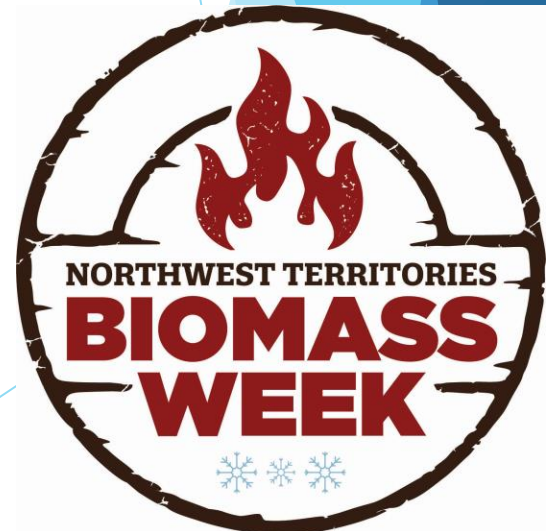
Held last year at **January 30 to February 3**, demonstrating how wood biomass is transforming the energy sector in the North.

We had 300 registered participants and 35 presentations.

In Partnership with Wood Pellet Association of Canada

Media Sponsor: Canadian Biomass


This Year – January 29th – February 3rd (mornings)





Biomass Tours


- ▶ Hay River
- ▶ Yellowknife
- ▶ Inuvik
- ▶ Fort Simpson



ROWES.CA
THE ROWES GROUP OF COMPANIES

Hay River
Pellet boiler tour
Wed., Feb. 1 (new date)

Limited to 10 people
Part of NWT Biomass Week

 Arctic Energy Alliance



Biomass Videos 2023

- ▶ Fort Simpson *2
- ▶ Yellowknife *2
- ▶ Hay River
- ▶ Nahanni Butte *2
- ▶ Kát'odeeche First Nation

- ▶ Shown on: CBC North Beat,
Yellowknife Movie
Theatre, AEA promotion &
You Tube



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The Energy Efficiency Incentive Program

Pellet Stove

- ▶ 50% of Purchase cost
 - Max \$2000
- ▶ Cost of accessories and installation not included

Rebates given since 2007:

- Pellet Stoves (1103) \$750,286
- Wood Stoves (1053) \$662,172

IMPROVED



Bigger rebates

on wood stoves
and pellet stoves

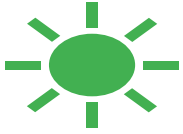




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Alternative Energy Technology Program





Funding available for renewable energy sources such as

Solar PV & Solar Heating
Wind

Wood Pellet Heating

Biofuel/Synthetic Gas
Ground Source Heat Pumps



Funding available to communities, commercial businesses, non-profit organizations and NWT residents.



Funding provided on a first come, first served basis. Subject to pre-approval.

Program Overview



Eligibility

Residents - eligible for up to \$20,000 in rebate funding.

Businesses, Community Governments, Indigenous Governments, and Non-Profit Organizations - eligible for up to \$50,000.

The rebate amount received will be the lower of:

50% of the total eligible costs of your project

A calculation based on the amount of money and greenhouses gases that the project will save

The following costs
can be covered by
a Biomass rebate:

Biomass energy
systems and all
materials required
for the system

Shipping

Storage units for
pellets

Integrated
equipment for
handling or feeding
wood pellets

District heating
and Monitoring
equipment

Installation

Eligible Costs



Project Coordination

- ▶ For medium size commercial, industrial and institutional building we put an annual call out for project coordination which includes:
- ▶ Pre - Feasibility Assessment
- ▶ Request for Quotes
- ▶ Contractor Selection
- ▶ Project Management
- ▶ Project Completion
- ▶ Rebates

*Typically, a 2 -year timeline

Residential Wood Pellet Heating A Practical Guide for Homeowners

- ▶ 52 Page AEA Publication for Homeowners to learn about the use of heating with pellets
- ▶ Available online and in print
- ▶ Free and made available at AEA offices and tradeshow

Government of NWT GHG Grant Program



Larger projects are referred to GNWT



Typically projects over \$100,000



<https://www.inf.gov.nt.ca/en/services/energy/ghg-grant-program-government>



Thanks to Jan Larsen of Energy North for the delivery information:

Pellet Bulk Storage and Delivery are important for the adoption of Biomass

- ▶ Delivery Trucks for Pellets in NWT :
 - ▶ 2 Inuvik
 - ▶ 3 Norman Wells
 - ▶ 3 Yellowknife
 - ▶ 2 Hay River
- ▶ 10 Trucks total
- ▶ Pellets shipped by truck and barge around the NWT in bulk or tonne bags



Are we growing the industry?

- ▶ 2021-22 3 rebates \$77,405
- ▶ 2022-23 9 Rebates \$210,005
- ▶ Currently 10 rebates in progress
estimated: \$250,000



Where can I find out more?



Website:

<https://aea.nt.ca/program/renewable-energy/>



Contact us!

info@aea.nt.ca

867-920-3333

1-877-755-5855 (Toll Free)

Mársı | Kinanāskomitin | Thank you
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Thank you

