

Does Renewable Energy Make Life Better in Rural Alaska?



UAA





Huntington Consulting



Graduate students









UAF













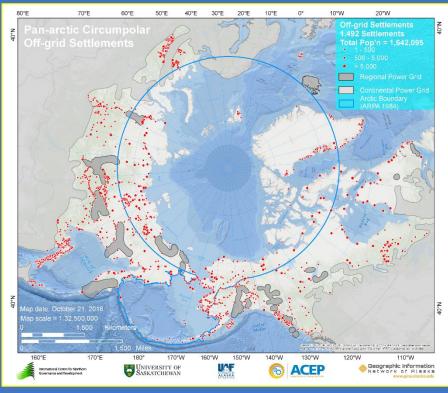


Communities of Kongiganak, Tanana, Cordova, and Igiugig

Energy in Rural Alaska

- Most communities are located off the road system.
- Isolated communities, or "microgrids," supply their own power.





Can be...

- Expensive
- Dependent on fossil fuels
- Environmentally unfavorable

Example: Food, Energy, & Water (FEW) in Rural Alaska









Energy





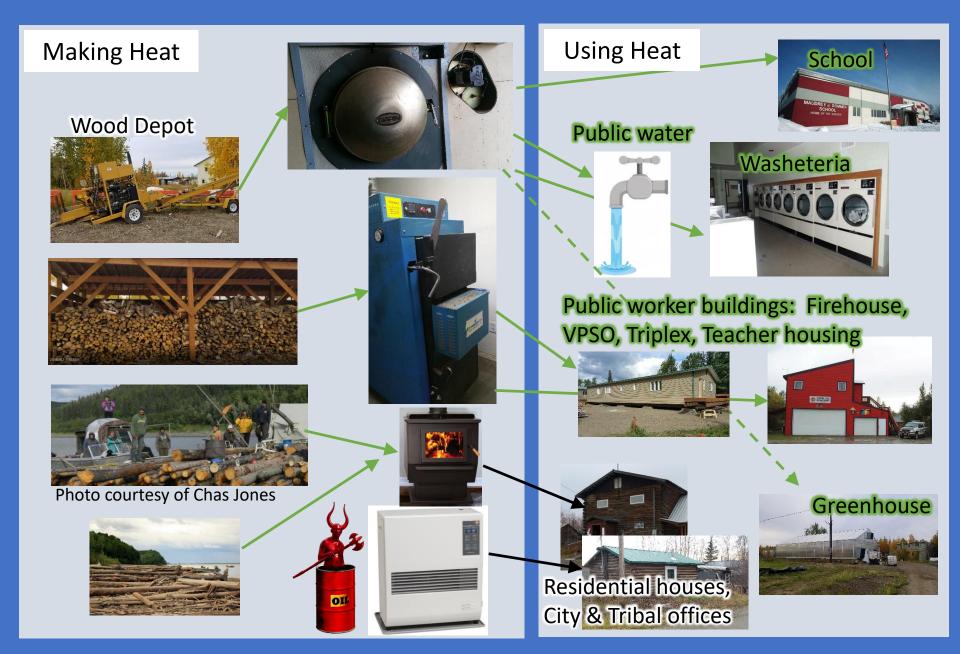
Water







What do FEW connections look like in Tanana?



Potential of Renewable Energy: Kongiganak – an Energy Success Story

Film by Amanda Byrd



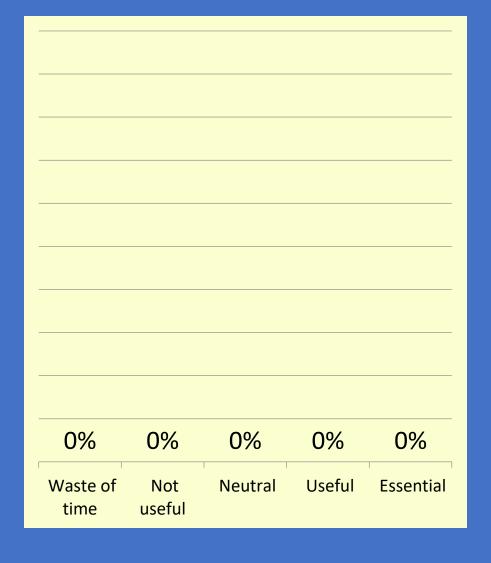
Now we'd like your input!

- 1. Renewable energy options
- 2. Economics of renewable energy options
- Uses for excess renewable energy
- 4. Assessment of food, energy, and water security
- 5. Connections between renewable energy and food-energy-water security

Renewable energy options

- 1. Waste of time
- 2. Not useful
- 3. Neutral
- 4. Useful
- 5. Essential

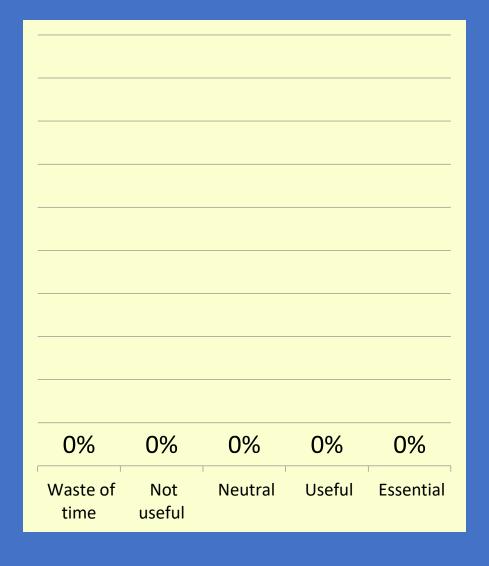
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Economics of renewable energy options

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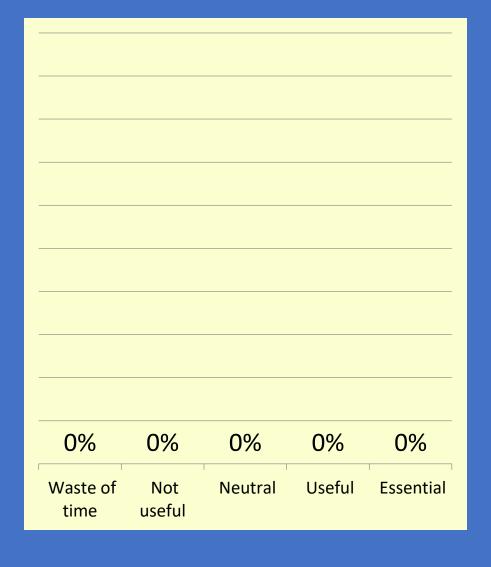
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Uses for excess renewable energy

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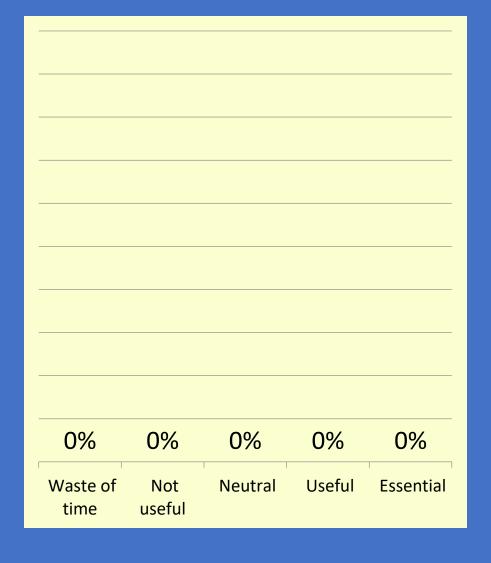
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Assessment of FEW security

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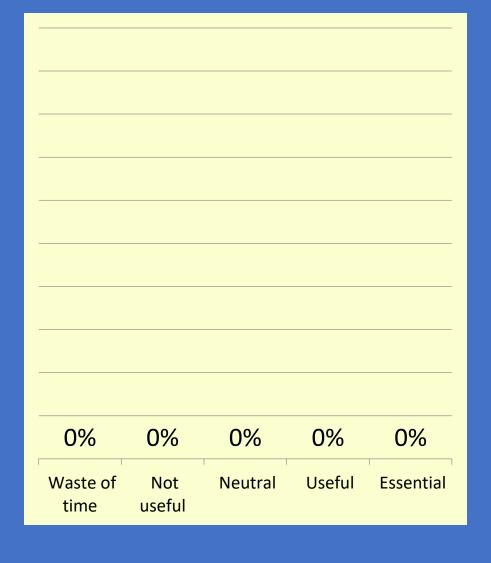
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Connections between RE and FEW security

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Other ideas?

The choices so far most useful information:

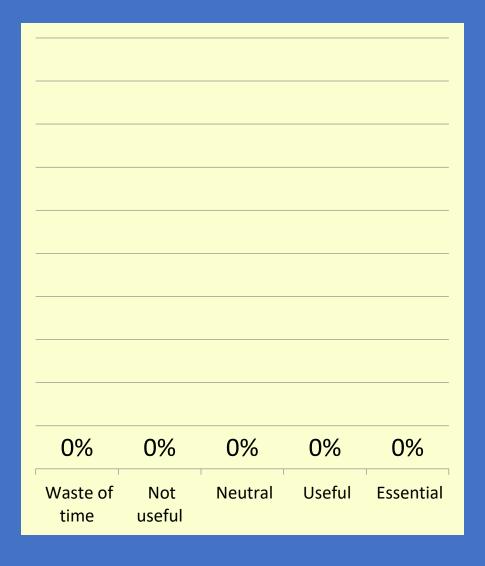
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- 1. Website
- 2. Social media
- 3. Videos
- 4. Conferences and gatherings
- 5. Fact sheets

Website

- 1. Waste of time
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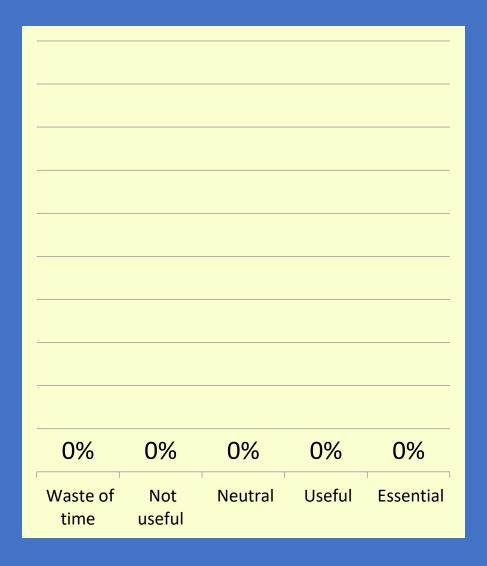
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Social Media

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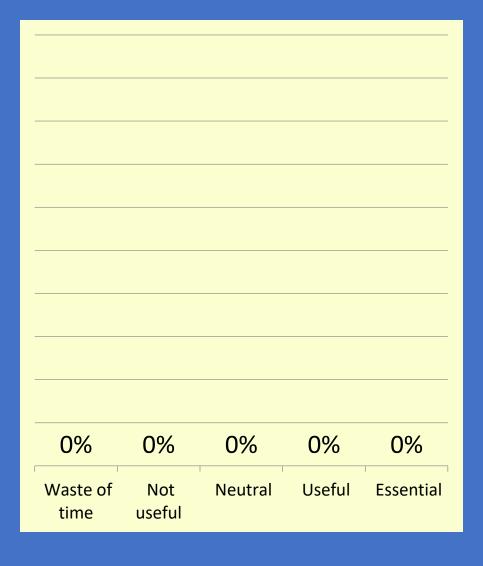
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Videos

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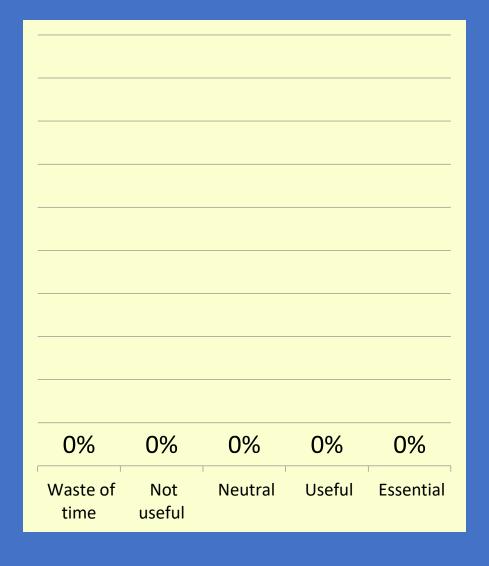
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Conferences and gatherings

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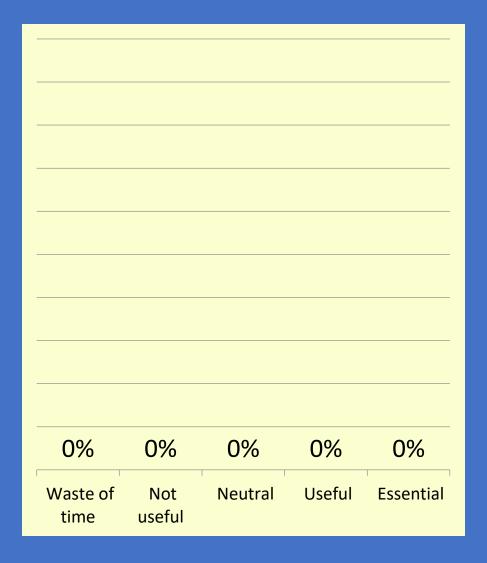
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Fact sheets

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Other ideas?

The choices so far making this information accessible to communities:

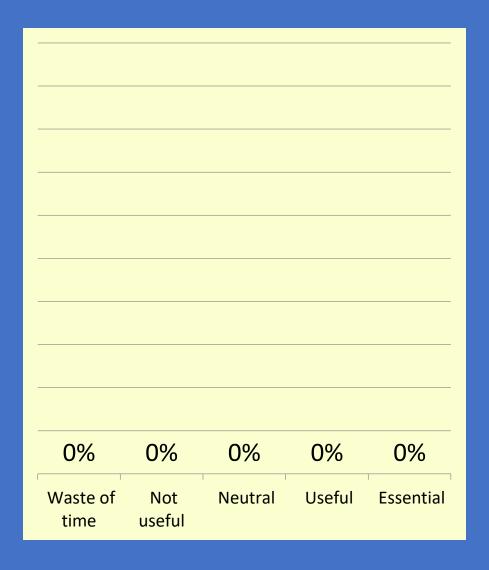
- 1. Website
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- 1. Reports
- 2. Social media
- 3. Conferences
- 4. Site visits or exchanges
- 5. Trainings
- 6. Word of mouth, informal conversations

Reports

- 1. Waste of time
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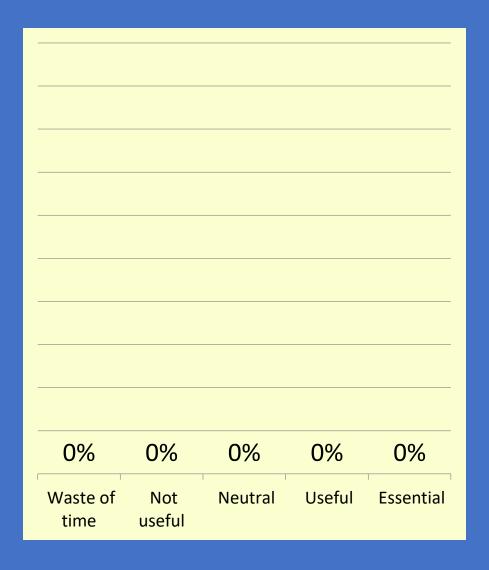
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Social media

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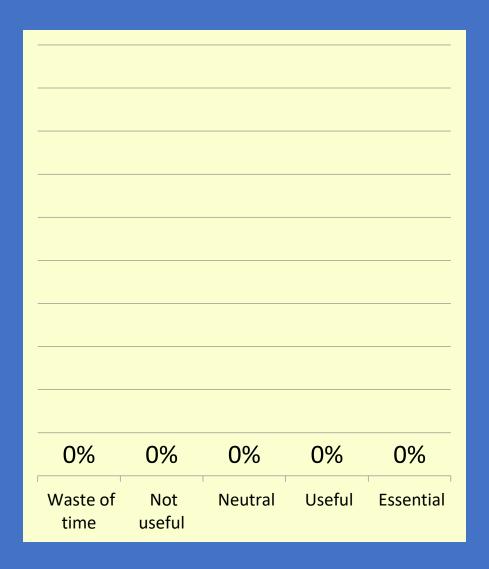
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Conferences

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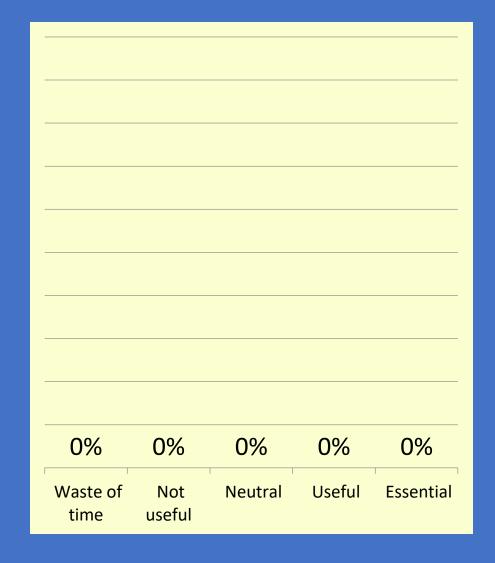
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Site visits or exchanges

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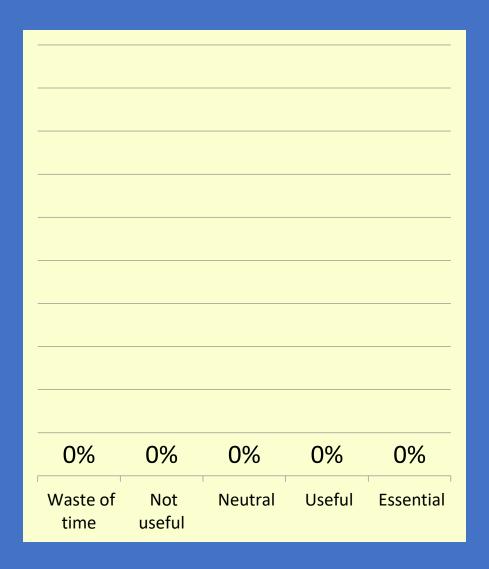
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Trainings

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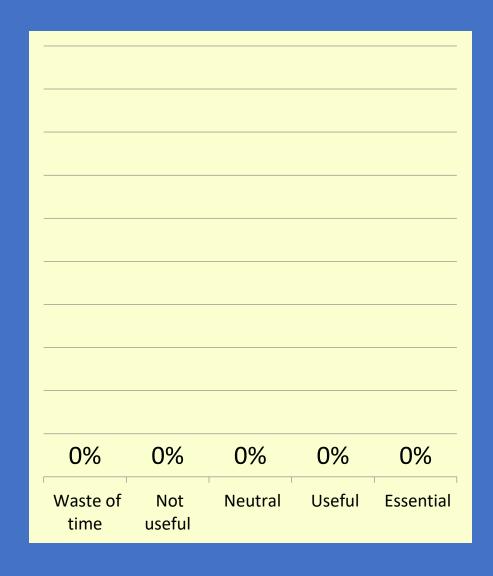
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Word of mouth, informal conversations

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Other ideas?

The choices so far for communities to share knowledge with one another:

- 1. Reports
- 2. Social media
- 3. Conferences
- 4. Site visits or exchanges
- 5. Trainings
- 6. Word of mouth, informal conversations

Thank you!

Next Steps
Project goes until March 2021

Visit our project website: http://ine.uaf.edu/microfews

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