

# Joshua Payne

Nuclear is the lowest impact energy source available to mankind at the moment. In terms of minimizing environmental impact and providing reliable, life sustaining energy, it doesn't get any better than nuclear. Microreactors, especially ones like those being proposed for Eielson AFB that produce both heating and electricity could be an incredible boon for Alaska. Wind and solar are non-starters when they are effectively non-existent during the winter when Alaskans need the energy to simply survive.

Microreactors offer the following benefits for Alaskans:

1. Carbon Free, Pollution Free, 24/7 energy.
2. Extremely affordable district heating using plant waste heat.
3. Drop in replacement or supplement to existing coal plants.
4. Reliable and cheaper energy for remote and indigenous communities currently dependent on diesel generators.
5. Extremely low radiological risk due to extremely small system size.
6. Long term energy pricing stability independent of fickle fossil fuel prices.
7. Highly skilled, long term jobs.

I hope that the DEC will consult with true nuclear energy experts, those with degrees in nuclear engineering and experience in industry rather than blindly follow the words of anti-nuclear NGO supplied "experts". Just say no to the fear mongering and follow the science.

Source for environmental impacts of energy sources:

<https://unece.org/sed/documents/2021/10/reports/life-cycle-assessment-electricity-generation-options>