

What is the Arctic & why is it important?

See all Circle issues here. THE ARCTIC is increasingly defined by its renewable energy and energy efficiency leadership. As governments, communities and Indigenous peoples respond to climate change goals, clean energy will feature prominently. Oil and gas development will occur where economics, environmental and societal interest align.

What is the Arctic Energy Forum?

View Agenda Registration Travel Support Confirmed Sessions Arctic Energy Forum - Responsible (energy) governance for a sustainable Arctic! (The road to) green energy transition in the Arctic! The Agenda of the Arctic Energy Forum 15-16 October 2024 consists of Main Topics, Special Topics, Breakout Sessions and Panel Discussions.

Can remote Arctic communities move to new energy sources?

Introducing new energy sources is of course more difficult and expensive in remote Arctic communities but the long-term gain is undeniable. Feasibility studies show that an energy shift is possible, however there's a need to support communities in this transition. It's also important to think about the energy security aspect.

How much energy does a remote Arctic community use?

little as 35 kW to more than 10 MW. Heat is often the largest type o energy used in residential settings. Remote arctic communities typically experience high energy costs - in some cases exceeding \$1 USD per kWh for electricity and \$10 USD per gallon of heating fuel, with the result that residents can face energy bills that

Can we scale up energy infrastructure investments in the Arctic?

It was based on a switch from old diesel generators to a hybrid wind/diesel power system based on modern energy efficient technologies. The results of this project suggest a great potential to successfully scale up energy infrastructure investments in the Arctic that are cost-effective, reliable and better for the environment.

Can nuclear energy be used in the Arctic?

ass and solar systems. NUCLEAR ENERGY Nuclear energy has been used as a source of power, at and transportation in the Arctic. Studies are ongoing regarding possible arctic applications for the evolving field of mic actors and small modular reactors. E



The Arctic Remote Energy Networks Academy (ARENA) is a unique circumpolar knowledge sharing program about isolated power systems integration held in partnership with Canada, Gwich'in Council International, the U.S. and Iceland. ???



As climate change continues to render the Arctic more accessible, interest in the region's energy resources has grown significantly. The European Union has expressed an ambition to play a larger role in the Arctic, citing its engagement as a "geopolitical necessity" amid increasing competition for resources and the emergence of new shipping lanes.



A collection of announcements from the Arctic Energy Office. As part of the Biden-Harris Administration's Investing in America agenda, the U.S. Department of Energy's (DOE) Office of Clean Energy Demonstrations (OCED) today opened applications for up to \$400 million to spur innovative, community-focused, clean energy solutions for rural and remote ???



Communicating the value of Arctic energy projects to national priorities; and; Acting as the front door to DOE for external stakeholders and coordinating across DOE on all Arctic topics. And the end of the day, this job is personal for me. I want to help ensure the economy and the future of the Arctic--not just as my home but as a vitally



Advancing Arctic energy, science and security is the goal of the U.S. Department of Energy's Arctic Strategy. The Strategy outlines DOE's coordination with Arctic stakeholders from Indigenous Peoples to international partners to grasp Arctic challenges, ensure energy equity, and work together to apply solutions.



News and Press Releases of interest to Arctic stakeholders. As part of the Biden-Harris Administration's Investing in America agenda, the U.S. Department of Energy's (DOE) Office of Clean Energy Demonstrations (OCED) today opened applications for up to \$400 million to spur innovative, community-focused, clean energy solutions for rural and remote ???



Arctic Energy Forum 2024 will be held in the conference center HOF in the town of Akureyri, in northern Iceland, as a two and a 1/2 day conference on 14-16 October 2024.. An educational and scenic transfer is offered for participants to Reykjavik on October 16 th afternoon, prior to the start of the Arctic Circle Assembly.. A pre-conference education and policy tour is ???



Arctic Energy was formed after a shared love of solar power brought together two local, highly-qualified tradies and energy experts. Together, with a combined 25 years of industry experience, they have built a multi-skilled team of tradies and technicians dedicated to providing Queenslanders with solar power solutions.



On July 24, 2023, the U.S. Department of Energy (DOE) announced it is making \$100 million available to support states, local governments, and public utilities in purchasing products derived from converted carbon emissions. The goal is to speed up adoption of advanced carbon management technologies, creating a market for environmentally sustainable alternatives in ???





The Arctic Energy Office (AE) seeks to reinvigorate this program to include all Alaska stakeholders and develop an AE-led network of energy leaders to help move the state towards sustainable and impactful projects that could be ???



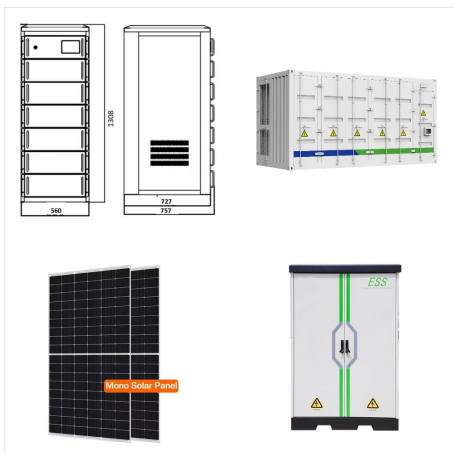
The Arctic Energy Summit (AES) is a multi-disciplinary event expected to draw several hundred industry officials, scientists, academics, policy makers, energy professionals and community leaders together to collaborate and share leading approaches on Arctic energy issues. The Arctic Energy Summit in the past has been an endorsed project of the



Moreover, the potential socio-economic impacts of renewables in the Arctic, the importance of uninterrupted availability of electricity in the Arctic, and the burden of high electricity prices for cost of living will be discussed.



The Arctic Energy Ambassadors are passionate, community-focused communicators from Alaska's Arctic territories who have been selected for a two-year term, during which they will develop regional, place-based, and ???



An Arctic Energy team member will make sure your building can support extra weight during our in-person visit. But, it shouldn't be a problem ??? 99% of homes are capable of supporting solar panels. The only structures not generally suitable for solar panels are fly-overs and certain types of shade covers.



Arctic Energy Partners har et godt faglig og bredt sammensatt styre og ledergruppe som bistør medlemmene p? foresp?rsel og ved behov. Les mer. Styret i Arctic Energy Partners. Ny styreleder i Petro Arctic. 21.04.2021 Den p?troppende styrelederen, Petter Bjørkli,



The transition to renewable energy sources is a critical aspect of sustainable development in the Arctic. One notable example is the partnership between DOE and its partners with the Mission Innovation (MI) Zero Emission Shipping Challenge. Working with the co-chairs Denmark and Norway and the other partners, MI announced the start of development of a ???



The Arctic Energy Ambassadors are passionate, community-focused communicators from Alaska who have been selected for a two-year term, during which they will develop regional, place-based, and collaborative energy leadership in Alaska, along with resources and knowledge-sharing in alignment with the U.S. Department of Energy's Arctic ???



The Arctic Energy Alliance cannot be responsible for lost, late, incomplete or unreadable applications. Rebates are available as long as funds allocated by the Legislative Assembly of the Northwest Territories remain available. Final approval will be made by the Executive Director of the Arctic Energy Alliance.



The Arctic Energy Office has invested in a one-year project to enhance the U.S. Department of Energy's ability to analyze structures in Alaska through the integration of residential energy audit data from the Alaska Retrofit Information ???



? Keep up to date on this and other U.S. Arctic issues by subscribing to the Arctic Energy Office Newsletter. Levi Kilcher Dr. Levi Kilcher is the Senior Energy Advisor for the Arctic Energy Office. more by this author. 1000 Independence Ave. SW Washington DC 20585 202-586-5000. About energy.gov. History; DOE STEM;



China's first-ever Arctic Policy in 2018 alluded to the "abundance of geothermal, wind, and other clean energy resources" in the Arctic and highlighted that China "will work with the Arctic States to strengthen clean ???





A report by the Eurasia Group for the Wilson Center's Canada Institute. As climate change renders the Arctic increasingly accessible, there has been a substantial uptick in industry interest in the region; it is believed an estimated \$100 billion could be invested in the Arctic over the next decade. The Arctic contains vast oil and natural gas reserves - the U.S. Geological Survey ???



Webinar: Arctic Energy Ambassadors Information Session (November 9, 2023) Applications closed for the Arctic Energy Ambassadors program on November 22. This webinar guided participants through the expectations and priorities for the program, to inform those interested in applying. Chris Castro, Chief of Staff for the Office of State and



Arctic challenges that stem from climate changes prompt the need for action. That's why we developed the new DOE Arctic Strategy, which will serve as our guiding document to accelerate energy transition, enable science-based decision- making, and ensure national security in the Arctic.. It informs the DOE's engagement in the Arctic due to new resource developments, ???



"The Arctic Energy Office's focus aligns well with UAF's academic and scientific expertise," said UAF Chancellor Dan White. "Our deep regional knowledge and international partnerships make UAF a strong partner in advancing America's security and prosperity by addressing the challenges in the Arctic. I look forward to welcoming the



Arctic Energy, Inc. provides a range of energy solutions which include: design and implementation of energy savings projects, energy efficient retrofits, alternative energy solutions, efficient power generation systems and energy supply solutions. We specialize in combined heat and power systems and distributed generation.



The Arctic Energy & Resource Symposium is your opportunity to ask questions and learn more about the future of sustainable resource development in the North, and Canada's role in global energy markets. Ensure you have the latest information on infrastructure advancements, regulatory issues and what is required to move forward with new