



# Alaska renewable energy

In a study conducted in 2023, NREL researchers found that creating a modern energy system in Southcentral Alaska--one that includes new jobs and uses local renewable energy resources--is more affordable than relying on imported natural gas.

Webinar Events. REAP Renewable Energy Systems Technology | [Link Previous Webinars](#). USDA/NREL REAP Distributed Wind Energy Webinar: June 17, 2024 1:00 PM EST. Learned how distributed wind technologies can best contribute to rural businesses, including tips on submitting successful REAP wind applications.

Renewable Energy Alaska Project: Wind. Renewable Energy Alaska Project is a coalition of large and small Alaska utilities; businesses; conservation and consumer groups; Alaska Native organizations; and municipal, state, and federal entities with an interest in developing Alaska's vast renewable energy resources.

Alaska is facing an "acute gas supply crisis" amidst a looming shortage while its Governor considers two large new coal plants to power mining operations and its electricity prices are amongst the highest in the United States.. It's time for the state to get with the times on renewable energy. A report released Wednesday by the Alaska Environment Research and ...

The U.S. Department of Energy (DOE) is proud to welcome 25 new communities into the Energy Transitions Initiative Partnership Project (ETIPP), managed by the Office of Energy Efficiency and Renewable Energy. From the Caribbean Sea to the Arctic Circle, ETIPP connects remote, coastal, and island communities with national laboratory researchers and ...

AB - This report examines the opportunities, challenges, and costs associated with renewable energy implementation in Alaska and provides strategies that position Alaska's accumulating knowledge in renewable energy development for export to the rapidly growing energy/electric markets of the developing world. KW - Alaska. KW - deployment

communities throughout rural Alaska. Emerging renewable energy technologies, combined with storage and energy efficiency, offer the promise of lower costs, as well as an increase in the self-sufficiency of communities. The U.S. Department of Energy (U.S. DOE) Office of

Wind turbines spin on Alaska's Fire Island in 2022. Cook Inlet Region, which owns most of the island, built the 17.6MW project a decade ago and is looking at options to triple the power output.

Lori Townsend is joined by Chris Rose, executive director of Renewable Energy Alaska Project, and Dustin Madden, Manager for ANTHC's Rural Energy Program. Aired: 01/13/23 Rating: NR ...

Minimize greenhouse gas emissions across Alaska; Provide renewable energy access to low-income and



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disadvantaged communities Recent Milestones for AHFC: August 2022 The Inflation Reduction Act authorized \$8.8 billion into home energy efficiency and electrification projects.

WHEREAS, clean and renewable energy is part of Alaska's energy infrastructure and future. It includes generation from renewable sources such as wind, solar, hydro, tidal, biomass, geothermal, and hydrogen sources, but it also includes nuclear, natural gas, and carbon capture technologies as well as energy storage; and WHEREAS, with Alaska's abundance of ...

The Alaska Renewable Energy Fund (REF) is a competitive grant program that was established by the Alaska State Legislature in 2008 and is now in its fourteenth annual funding cycle (i.e. Round). The program was established to help fund cost-effective renewable energy projects throughout the state.

Owner, Alaska Native Renewable Energy Industries "I was wrapping up my lighting projects when Dave reached out to see if I could run the Hughes project in October," said Bifelt. "All along, I wanted to be part of this project because it was one of the largest solar projects in the state and the largest in rural Alaska.

Veterans of Alaska's oil industry look to blaze a renewable energy pathway in the state Cook Inlet is a hotbed of green energy ambitions, with proposals for wind, geothermal, tidal and hydrogen ...

9 hours ago; Alaska's Railbelt electrical grid--which serves about 75% of the state's population--is facing an imminent energy challenge due to declining natural gas reserves in ...

This briefing paper summarizes the opportunity in Alaska for investment in renewable energy infrastructure. This issue is timely and especially important for Alaska for several compelling ...

ETIPP has connected NETC with experts--from economists to hydrologists to regional partners at the Renewable Energy Alaska Project--who can help Dillingham reach its energy resilience and environmental goals. Since 2021, researchers at the Pacific Northwest National Laboratory (PNNL) and Sandia National Laboratories (Sandia) have been working ...

Renewable Energy Capacity: Alaska: Share of U.S. Period: find more: Total Renewable Energy Electricity Net Summer Capacity 550 MW 0.2% Jul-24 Ethanol Plant Nameplate Capacity -- -- 2024 Renewable Energy Production: Alaska: Share of U.S. Period: find more: Utility-Scale Hydroelectric Net Electricity Generation 128 thousand MWh ...

[ 5 ] Alaska's Renewable Energy Future: New obs, Affordable Energy Based on adjusting a sample of independent studies for Alaska cost differentials for renewable resource, energy storage and zero carbon hydrogen/clean fuels infrastructure, we estimate that by 2050, the transition to a 100% clean renewable energy future for Alaska would generate a

A highly energetic corner of the Pacific Ocean, Cook Inlet holds one of the greatest tidal resources on Earth.



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All that energy has the potential to reduce Alaska residents' dependence on declining oil and gas production and provide excess renewable energy that could stimulate the Alaskan economy. That is why researchers from the National Renewable Energy Laboratory ...

REDUCING THE COST OF ENERGY IN ALASKA. Renewable Energy Fund (REF) Overview. AEA, in concert with the REF Advisory Committee, has forwarded to the Legislature a capitalization request of \$32 million for Round 16 of the REF. An appropriation of \$32 million would fund all 24 recommended projects. Funding approval for the

Reducing the operating costs and improving the sustainability of rural sanitation and health care facilities across Alaska. ... How rural Alaska communities are benefiting from renewable energy projects. Rural Energy Reports & Community Audits Community energy audit documents, solutions and potential savings.

3 days ago; According to a 2024 study from the National Renewable Energy Laboratory, Alaska could get 76% of its electrical generation from wind, solar and other renewable sources by ...

The team's findings will also be added to the Marine Energy Atlas, a central portal for data on ocean and river wave, tidal, current, and geothermal resources across the United States. Once a tidal energy device (like the Ocean Renewable Power Company's device in Igiugig) proves to be reliable and robust, developers can build larger projects to power Alaska's homes ...

The Renewable Energy Fund program provides critical financial assistance in studying, developing, and integrating both proven and nascent renewable energy technologies across all regions of the state. The Alaska Legislature created the grant fund in 2008, and it was previously extended for 10 years in 2012. HB 62 repeals any future sunset dates ...

Alaska Hydrogen Opportunities Report Erin Whitney<sup>1</sup>, Mariya Koleva<sup>2</sup>, Levi Kilcher<sup>1,2</sup>, and Jeff Raun<sup>3</sup>  
<sup>1</sup>U.S. Department of Energy, Arctic Energy Office <sup>2</sup>National Renewable Energy Laboratory <sup>3</sup>EXP With contributions from the Alaska Hydrogen Working Group, facilitated by the Alaska Center for Energy and Power at the University of Alaska Fairbanks.

The program plays a crucial role in promoting equity in Alaska's energy landscape, ensuring that all residents have access to reliable and affordable electricity regardless of their location. As Kotzebue navigates the challenges of its remote terrain and harsh climate, the commitment to renewable energy integration remains.

WASHINGTON -- A year after the Biden administration's signature climate bill passed, Alaska renewable energy industry observers say the law is beginning to jump-start new development in the state.

Offshore wind makes sense for decarbonizing energy production and building energy security and independence when it comes to ocean renewable energy production in Alaska's Outer Continental Shelf (OCS), ...



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