



# Alaska renewable energy goal

Hughes just installed the bones of a 120-kilowatt (kW) solar photovoltaic (PV) system that will cut diesel use and costs while advancing the Village's renewable energy goal of 50% by 2025. Solar savings ahead --currently rural Alaska's largest solar installation, this system will save Hughes an estimated \$1 million over 20 years.

The legislation established Alaska's state energy policy, which included an aggressive renewable electricity goal, as well as a goal to reduce per capita electricity use in the state by 15% by 2020. This goal must be translated into specific requirements for utilities to achieve savings of a specific amount to qualify as an EERS.

Dunleavy wants 80% of the Railbelt's electricity to come from renewable energy sources by 2040--not just to achieve the state's clean energy goals but also to lower its higher-than-average energy costs. Switching to renewables, including hydroelectric, wind, solar, geothermal, and tidal power, could reduce how much the state spends on ...

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

o Has goal of 35% average renewable penetration by 2020; 100% by 2050. o Their solar resource, like Alaska's, is poor (11-12% capacity factor). o 40 GW installed solar as of 2016; average penetration is 7%; average high is

The report also highlights the work of the Alaska Energy Authority to reduce the cost of energy and displace diesel fuel in communities off the main power grids through decades of work in energy efficiency and renewable power projects. "The Alaska Energy Authority has a proven track record of increasing the reliability and resiliency of ...

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 ...

Their new report, " Feasibility Study for Renewable Energy Technologies in Alaska Offshore Waters," was conducted for the Bureau of Ocean Energy Management (BOEM) to evaluate the feasibility of ocean energy projects in federal waters, including wind, wave, and tidal resources. The study area also included state waters



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outside of BOEM's ...

assistance to set a long-term energy vision and actionable goals. Finally, the village seeks in-depth technical assistance related to one or more of the goals outlined in the ... groups such as the Renewable Energy Alaska Project are key partners in energy planning and deployment. State agencies, organizations, and

such, a large amount of energy is needed to keep water heated and flowing in the harsh Alaska . 3 ANTHC Renewable Energy Overview, Alaska Native Tribal Health Consortium, 2023. 4 ... as the program's goal is to ensure every rural community served can afford to operate its water and sewer systems, along with having access ...

Today Governor Mike Dunleavy signed HB 62 into law, continuing the Renewable Energy Fund in perpetuity. 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 ...

Alaska does not have a renewable portfolio standard but does have a nonbinding goal to reach 50% renewable energy by 2025. In May 2023, Governor Dunleavy signed HB62 into law, permanently extending Alaska's renewable energy grant fund, originally created to catalyze renewable energy projects in the state.

Office of Energy Efficiency & Renewable Energy Operated by the Alliance for Sustainable Energy, LLC ... Renewable Energy Alaska Project: Chris Rose, Antony Scott ... Because the goal of this study is to compare differences in system costs resulting from different generation mixes, we do not estimate these common costs. Instead, we focus on ...

National Renewable Energy Laboratory's Alaska Campus. National Renewable Energy Laboratory's Alaska Campus ... The goal of the research project--which replaced the 77,000 Btu/hr oil-fired condensing boiler that had been heating the 5,000 square foot office space--was to monitor the system for 10 years to better understand the performance ...

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 ...

Towns and organizations in Alaska illustrate how remote communities can adopt clean energy systems--and how EERE's Energy Transitions ... These outcomes will help Igiugig move toward its goal of improving its energy self-sufficiency by using local, renewable resources and its own workforce while minimizing environmental impact and honoring ...

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 ...

Development of new sustainable energy projects across Alaska will gain the support of knowledgeable and experienced local experts through the Arctic Energy Ambassadors program. Established by the Arctic Energy Office, in collaboration with the Denali Commission and the Alaska Municipal League, this innovative initiative will empower 12 practitioners from each ...

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.

As you may have heard, Governor Sarah Palin announced an energy plan last week that includes an ambitious goal of getting 50 percent of Alaska's power from renewables by 2025. Yesterday, she ...

GVEA is using which emphasize the need for cleaner and more renewable energy. Along with PM2.5 emissions, nonrenewable power plants that GVEA operates release greenhouse gas emissions into the atmosphere. In recent years, the transition from non-renewable energy to renewable energy has gained importance due to climate change. One source of climate

This morning, Governor Mike Dunleavy introduced legislation creating the Alaska Energy Independence Fund to increase Alaska's energy independence and security. Senate Bill 125 and House Bill 154 will allow the Alaska Housing Finance Corporation (AHFC) to create a nonprofit subsidiary that will provide financing for sustainable energy development projects in ...

The Renewable Energy Alaska Project (REAP) is a non-profit organization empowering Alaskans to make smart energy choices, powering local clean energy growth, and positioning our state as a global energy powerhouse. ... We promote energy efficiency and renewable energy development in Alaska with the goal of making the state a world leader in ...

The National Renewable Energy Laboratory published an 80% Renewable Portfolio Standard (RPS) analysis for Alaska's "Railbelt," the term used to refer to Alaska's largest electrical grid which stretches from Fairbanks in the interior to Homer on the southern tip of the Kenai Peninsula and serves the majority of the state's population. This report arrives at a time ...

Five projects in Alaska have been selected under the Energy Improvements in Rural or Remote Areas (ERA) Program, announced today by Secretary Jennifer Granholm from the 2024 Clean Energy Tribal Summit in Temecula, California. The ERA program aims to improve the resilience, reliability, and affordability of energy systems in communities across the country ...

The Alaska Strategic Energy Plan and Planning Handbook is a tool for Alaska Native villages and



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communities to use in achieving energy goals in both the near- and long-term. This Handbook intends to help Alaska Native leaders and community ...

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