

California bottom up politics affect on renewable energy sources

The agreement thus reflects the de facto recognition of the primacy of domestic over international climate and clean energy politics. Footnote 12 This bottom-up perspective suggests ... This suggests a "China effect"--rather than a California effect--in which emerging economies seeking industrial upgrading become the global pacesetters in ...

Geopolitics is the scientific field of study belonging to both Political Geography and International Relations, which investigates the interaction between politically acting (wo)men and their surrounding territoriality (in its three dimensions; physical-geographical, human-geographical and spatial) (Crikemans 2007, 2009).The field of Geopolitics has always been very interested ...

Kilinc-Ata N. The evaluation of renewable energy policies across EU countries and US states: an econometric approach. Energy Sustain Dev. 2016;31:83-90. [Google Scholar] Kirsanova NY, Lenkovets OM, Nikulina AY. Renewable energy sources (RES) as a factor determining the social and economic development of the arctic zone of the Russian Federation.

Renewable energy can play an important role in U.S. energy security and in reducing greenhouse gas emissions. Using renewable energy can help to reduce energy imports and fossil fuel use, the largest source of U.S. carbon dioxide emissions.According to projections in the Annual Energy Outlook 2023 Reference case, U.S. renewable energy consumption will ...

The Green Party advocates clean renewable energy sources such as solar, wind, geothermal, marine-based, and other cleaner renewable sources as the long-term solution. Many other solutions being pushed, including nuclear power, coal, industrial-scale biofuels, and low-grade fossil fuels such as oil shale and tar sands, create more problems than ...

Wind energy was the source of about 10% of total U.S. utility-scale electricity generation and accounted for 48% of the electricity generation from renewable sources in 2023. Wind turbines convert wind energy into electricity. Hydropower (conventional) plants produced about 6% of total U.S. utility-scale electricity generation and accounted for about 27% of utility ...

According to Jacobson et al. [1], hindering global warming from rising above 1.5 °C will require reaching 80% zero-emissions energy by 2030 and 100% by 2050, and much of this should be achieved through the increased use of renewable energy.This, in turn, inspires a steadily growing literature on a range of questions concerning the geopolitical consequences ...

To do this, the politics of renewable energy and the clean energy transition are explored to understand broader

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nontechnical barriers to renewable energy deployment. This is followed by an analysis of biomass use covering bioenergy, bioproducts and the wider bioeconomy to explore how policy decisions influence sustainable biomass use.

Based on this empirical scope we proceed to unpack the governance structure behind the policy mix. As a first step, we screen two extant analyses on California's renewable-energy instrument mix 6 in order to understand how the state has governed its energy transition in the past (Carl et al., 2012; Shmidt et al., 2012). This includes gaining ...

The majority of quantiles demonstrate that financial inclusion has a negative and substantial effect on renewable energy usage. On the other hand, the coefficient for information and communication technology infrastructure is positive and statistically significant at all quantiles, while the coefficient for fossil fuel consumption effects ...

Society can be impacted by renewable energy decisions and may also affect future plans or decisions regarding renewable energy deployments or developments. ... Renewable energy policies are typically at national or local levels and can mark the success or failure of a renewable energy source. Policy sub-criteria include: security, support for ...

California has the largest economy and population among US states (US, 2021; USCB, 2020) is not only the largest sub-national economy globally but is considered a global trendsetter in environmentalism, economics, politics, and entertainment (Rendon et al., 2018). The state has abundant renewable resources such as wind and solar due to its coastal location ...

The Politics of Renewable Energy and Ambitious Policies: Comparing Ontario, California, and Texas By Dr. Leah Stokes¹ University of California, Santa Barbara Prepared for the Climate Change and Renewable Energy Policy in the EU and Canada Workshop held at Carleton University, Ottawa on October 1-2, 2015²

Wind power, solar power and water power are technologies that can be used as the main sources of renewable energy so that the target of decarbonisation in the energy sector can be achieved. However, when compared with conventional power plants, they have a significant difference. The share of renewable energy has made a difference and posed ...

capacity of 0.3 MW up to 10 MW), for which reliable cantonal deployment data are available. The Swiss Energy Strategy 2050 identifies small-scale hydropower as one renewable energy source that should be promoted in order to replace the current energy production from nuclear plants.

The transition to renewable energy sources depends on not only environmental and energy policies, but also strong and effective institutions (Mahmood et al., 2021; Gielen et al., 2019; Ren et al., 2023). This article seeks to test existing theories and shed new light on how the implementation of clean energy policies (CLPs)

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through climate ...

Yet despite record growth, renewable energy installations need to ramp up even faster. Analyses of achieving 100% carbon-free electricity by 2035, what's needed to achieve U.S. greenhouse gas reduction targets, indicate that annual installation rates of renewables in coming years need to nearly double the rates seen in 2023.. Electric vehicle sales set new records in ...

Lawrence Berkeley National Laboratory attributes roughly half of the growth in renewable energy generation in the US since the early 2000's to states committing to expand their reliance on renewable energy rather than fossil fuels (Barbose, 2018).As of 2020, 37 states, as well as Washington D.C, Puerto Rico, the US Virgin Islands, the Northern Mariana Islands, ...

Concerns about energy transition and policies to achieve a clean energy Europe are omnipresent in all European discourses. A transformation dynamic has captured all European states, whereby the extent, scope, and direction of this transition vary between different (EU member-) states and political levels (European, national, federal, local). Likewise, governance ...

There are five energy-use sectors, and the amounts--in quadrillion Btu (or quads)--of their primary energy consumption in 2023 were: 1; electric power 32.11 quads; transportation 27.94 quads; industrial 22.56 quads; residential 6.33 quads; commercial 4.65 quads; In 2023, the electric power sector accounted for about 96% of total U.S. utility-scale ...

Conventional energy source based on coal, gas, and oil are very much helpful for the improvement in the economy of a country, but on the other hand, some bad impacts of these resources in the environment have bound us to use these resources within some limit and turned our thinking toward the renewable energy resources. The social, environmental, and ...

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