

What is dual-use solar?

The practice of dual-use solar, which refers to allowing two uses to be accomplished in the same space, can be Agrisolar, also called agrivoltaics, is the co-location of agriculture and solar within the landscape. It includes solar co-located with crops, grazing, beekeeping, pollinator habitat, aquaculture, and farm or dairy processing.

What types of dual-use practices can be combined with solar energy sites?

There are several types of dual-use practices that can be combined with solar energy sites including cultivating different types of crops such as vegetables and berries, utilizing livestock grazing for managing vegetation, beekeeping, and planting native vegetation and pollinator habitat.

Does federal policy encourage dual-use solar development?

Because land use decisions are typically made at the local level, the role of federal policy in encouraging or discouraging dual-use applications is limited. However, two primary incentives exist for solar development--the Business Energy Investment Tax Credit (ITC) and USDA's Rural Energy for America Program (REAP).

Can dual-use solar be used on high-value soils?

For example, in Oregon, a rule was adopted allowing for dual-use practices on high-value soils. However, the rule only specifies agrivoltaics and grazing, meaning pollinator habitats or other conservation dual-use do not qualify.⁶⁷ U.S. Energy Policy, December 2021. Accessed March 2023. ⁶⁶ Marieb, Dugan. "Dual-use Solar in the Pacific North-

Is dual-use solar a way forward?

"Dual-use Solar in the Pacific North-west: A Way Forward." Renewable Northwest, 2019, Accessed March 2023. ² Personal communication, Stacie Peterson, Energy Program Director, National Center for Appropriate Technology, March 2023.

What is dual-use photovoltaic (PV)?

Dual-use photovoltaic (PV) technologies, also known as dual-use PV, are a type of PV application where the PV panels serve an additional function besides the generation of electricity.

move into an overview of policy mechanisms at the federal, state, and local levels that facilitate dual-use. Lastly, we will take a closer look at how local governments have the most impact on solar development, and offe. decision-makers who are inte. Macknick, Jordan, et al. . The 5 Cs of Agrivoltaic Suc-cess Factors . n the United States:

Dual-use solar photovoltaics (PV) involves the co-location of solar PV electricity generation and a non-energy use on the same land at the same time. ¹ Deployment of dual-use solar PV could affect renewable electricity

development, land use, food production, and the environment.

Solar arrays on farms can be dual-use beyond crops too: "We have worked with several farms to develop solar solutions that serve a dual-purpose of energy production and livestock shade," Dooling tells us. "This helps maximize the efficiency of the farm real estate, where often the need for livestock yards and operational buildings ...

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The concept of dual use solar explores innovative applications like agriculture, water management, and more. Dual use solar projects maximize land efficiency while producing energy, and dual use solar panels are designed to serve multiple purposes. Learn

Solar applications such as Agrisolar, Floating PV and nature-inclusive PV, enable dual use of land, while alleviating land scarcity issues, increasing water efficiency, ...

This integrated rooftop solar system could be the future of solar energy. Combining PV and thermal systems creates a dual purpose solar roof which produces electricity and heat for the building. Though it's in testing phase and not yet on the commercial market, this solar system hold great promise for the future of clean renewable energy.

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