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## Solar dual-use on-site energy outdoors

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).

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.

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.<sup>67</sup> U.S. Energy Policy, December 2021. Accessed March 2023. <sup>66</sup> Marieb, Dugan. "Dual-use Solar in the Pacific North-

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 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.

Dual-use photovoltaic (PV) technology represents an innovative approach to renewable energy generation, integrating solar ...

The integration of solar photovoltaic dual use demonstrates an innovative approach to optimizing land use while tackling pressing challenges in energy generation and agricultural ...

This is the first of a three-part blog series on dual use-solar's potential within the broader context of utility-scale solar. Later blog posts ...

The National Institute of Solar Energy has signed an MoU with Nature Conservancy India Solutions to drive the deployment of solar projects on low-impact sites, like ...

Further benefits of solar dual-use for farmers and the public include energy cost savings (solar self-consumption), additional income of local farmers with potentially higher ...

Dual-use solar PV offers potential opportunities. Compared with the standalone use of lands, dual use of land (or water) can potentially increase an area's overall productivity ...

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context of utility-scale solar. Later blog posts in this series provide additional context ...

By integrating solar energy systems into existing landscapes, dual-use PV and has the potential to minimize land-use concerns and ...

Dual-use solar arrays provide a productive alternative to traditional ground mount solar, maintaining agriculture on site under or around the solar. Dual-use solar and agrivoltaics ...

In conclusion, installing solar dual lamp outdoor lights represents a forward-thinking approach to personal and communal ...

Here, this study demonstrates a wearable, breathable all-weather usable dual energy harvester (AWuDEH) capable of generating electricity sustainably outdoors under ...

The integration of solar photovoltaic dual use demonstrates an innovative approach to optimizing land use while tackling pressing ...

In 2023, Doral held over 9,000 dunams (2,224 acres) of dual-use photovoltaic facilities. This allows Doral to address the dual need for available areas for renewable energy production ...

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