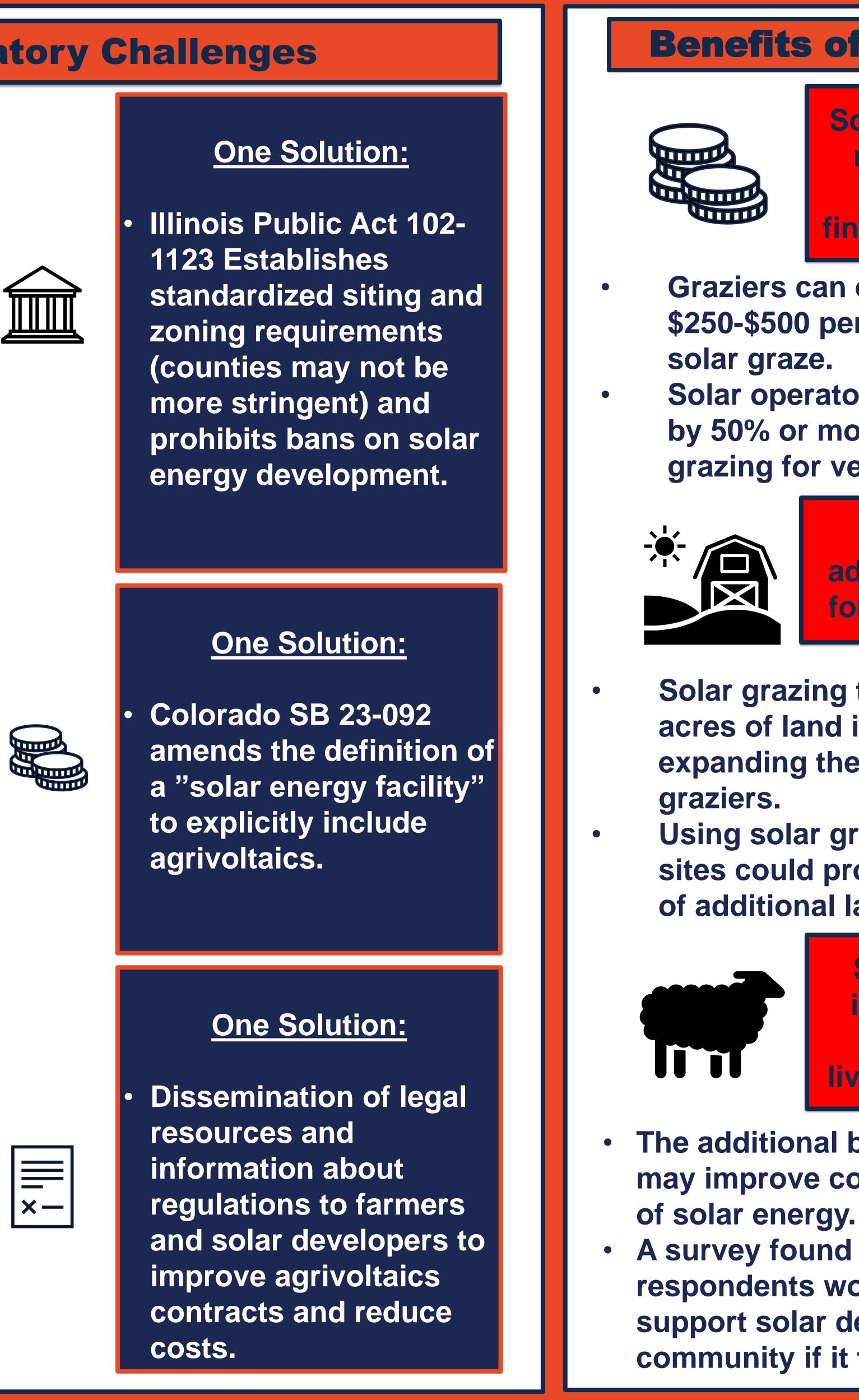


DEPARTMENT OF AGRICULTURAL AND CONSUMER ECONOMICS College of Agricultural, Consumer and Environmental Sciences

Emerging Agrivoltaic Regulatory Systems: A Review of Solar Grazing By Tyler Swanson & Jessica Guarino

Bock Agricultural Law & Policy Program

Agrivoltaic Regulatory Challenges Zoning Agrivoltaics have an agricultural use and function but are subject to the additional permitting and regulatory processes of solar projects. Existing zoning policies inconsistently define solar energy systems and their requirements, creating regulatory confusion. Local regulations can be unduly burdensome in siting and permitting requirements. Taxation **Developing solar on farmland can** require rezoning land from agricultural use to another use, which increases tax and other financial burdens on the landowner. State laws on taxation of agrivoltaics are uncertain, creating confusion and hesitancy among developers. **Liability** Solar sites are valuable assets; thus, developers are incentivized to carefully review potential contracts to bring a third party onsite. The contract review process, and the liability insurance required, particularly for solar graziers, can become cost prohibitive.



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Benefits of Solar Grazing

Solar operators reduce maintenance costs: **Graziers** receive financial diversification.

Graziers can earn an additional \$250-\$500 per acre of land they solar graze.

Solar operators can cut O&M costs by 50% or more by using solar grazing for vegetation management.

> **Graziers** receive additional pastureland for their herd to graze.

Solar grazing took place on 1000 acres of land in NY in 2020, expanding the land available to

Using solar grazing on all NY solar sites could provide over 17,000 acres of additional land for grazing.

> Solar operators can improve their public image by bringing livestock onto the land.

The additional benefits of solar grazing may improve community acceptance

A survey found that 81.8% of respondents would be more likely to support solar development in their community if it featured agrivoltaics.