## SOLAR ENERGY FACTS

American Solar Grazing Association. Solar Grazing in New York State, with the help of the flock of Lewis Fox.

"Solar is the crop that makes sense now, preserving open land to pass to the next generation," *Ed Browka*, solar farm landowner in Rome, NY.

## Solar energy provides a steady source of income to NY farmers while preserving farmland.

- Solar panels are a reversible land use and preserve topsoil.
  When removed the land can be used for agriculture again.
- 2. Solar can meet 20% of New York State's electricity demand by using less than 2% of New York's agricultural area.
- Native plant growth at solar farms can create pollinator-friendly habitats and increase yields on neighboring farmland with pollinator dependent crops. Insect pollinators have been reported to increase soy yields by up to 18%.
- Grazing sheep among solar panels is a new way of using farmland, allowing the two land uses to coexist.

Farmer's Guide to Going Solar U.S. Office of Energy Efficiency and Renewable Energy. (n.d.) https://wwmenergy.gov/eere/solar/farmers-guide-going-solar

Leroy J. Walston, Shruti K. Mishra, Heidi M. Hartmann, Ihor Hlohowskyj, James McCall, and Jordan Macknick. *Environmental Science & Technology* **2018** 52 (13),7566-7576 DOI: 101021/acs.est.8b00020 Campbell, K. (2019) Solar power and agriculture can be combined in New York. Rochester Business Journal. https://rbj.net/2019/12/23/solar-power-and-agriculture-can-be-combinedin-new-york/

Makhijani, A. (2021). Exploring Farming and Solar Synergies: An Analyst Using Maryland Data. Institute For Energy And Environmental Research, 32-37

