



## LOUISIANA WILDLIFE FEDERATION

*The voice of Louisiana's wildlife and natural resources since 1940.*

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# Resource list for more information about multiple-purpose solar facility development

There are a number of examples of multiple-purpose solar facility development and interesting ongoing research on the best methods to achieve goals such as co-location of agriculture, pollinator vegetation, wildlife, and fisheries conservation with solar. The following is a partial listing to read more on what is being done in Louisiana and around the country to achieve multiple goals on solar generation facility locations.

## Resources

### **Solar Development Toolkit**

Center for Planning Excellence

<https://static1.squarespace.com/static/536d55f1e4b07afeea8cef61/t/6696bee9f2415476f29b31d6/1721155315762/Final+CPEX+Solar+Development+Toolkit+April+2024.pdf.pdf>

### **Utilizing the Sun for a Sustainable Future in Louisiana-A Pilot Solar Deployment Project at LSU: Exploring the Tools and Methods for Community-Engaged Solar Design and Development**

Institute for Energy Innovation Louisiana State University

<https://www.lsu.edu/energy-innovation/files/white-paper-1-synthesis-03.pdf>

### **Visual Guide to Agrivoltaics and Wildlife-Friendly Solar**

American Planning Association

<https://www.planning.org/blog/9253223/visual-guide-to-agrivoltaics-and-wildlife-friendly-solar/>

### **Innovative Solar Practices Integrated with Rural Economies and Ecosystems**

National Renewable Energy Laboratory

<https://openei.org/wiki/InSPIRE>

### **Summary: Solar Impacts on Wildlife and Ecosystems Request for Information Summary**

U.S. Department of Energy

<https://www.energy.gov/eere/solar/summary-solar-impacts-wildlife-and-ecosystems-request-information>

### **North Carolina Technical Guidance for Native Plantings on Solar Sites**

North Carolina Pollinator Conservation Alliance

<https://ncpollinatoralliance.org/wp-content/uploads/2018/10/NC-Solar-Technical-Guidance-Oct-2018.pdf>

### **Agrivoltaics Primer: Low Impact Solar Development Strategies Primer**

U.S. Department of Energy Solar Energy Technologies Office

[https://openei.org/wiki/InSPIRE/Primer#Agricultural\\_Activities](https://openei.org/wiki/InSPIRE/Primer#Agricultural_Activities)

### **A Landowner's Guide to Wildlife Friendly Fences**

Montana Fish, Wildlife, and Parks

[https://fwp.mt.gov/binaries/content/assets/fwp/conservation/land-owner-wildlife-resources/a\\_landowners\\_guide\\_to\\_wildlife\\_friendly\\_fences.pdf](https://fwp.mt.gov/binaries/content/assets/fwp/conservation/land-owner-wildlife-resources/a_landowners_guide_to_wildlife_friendly_fences.pdf)

### **Suggested Practices for Avian Protection on Power Lines**

Avian Power Line Interaction Committee, Edison Electric Institute, California Energy Commission

<https://www.nrc.gov/docs/ML1224/ML12243A391.pdf>

### **Solar Facility Development in Virginia Best Management Practices for Wildlife**

Virginia Department of Wildlife Resources

<https://vaunitedlandtrusts.org/wp-content/uploads/2023/05/Session-G2-Wildlife-and-Solar-DWR-Best-Management-Practices.pdf>

### **North Carolina Technical Guidance for Native Plantings on Solar Sites**

North Carolina Pollinator Conservation Alliance

<https://ncpollinatoralliance.org/wp-content/uploads/2022/06/NC-Solar-Technical-Guidance-FINAL-May-2022.pdf>

### **Recommended Practices for the Responsible Siting and Design of Solar Development in Georgia, September 2023**

Georgia Department of Natural Resources: Wildlife Resources Division and Environmental Protection Division, and U.S. Fish & Wildlife Service

<https://georgiawildlife.com/sites/default/files/wrd/pdf/GA%20Recommended%20Practices%20for%20Solar-%20Fall%202023%20-%20V1.0.pdf>

### **Pollinator Habitat Aligned with Solar Energy**

U.S. Department of Energy Solar Energy Technology Office

<https://rightofway.erc.uic.edu/phase>

### **AgriSolar Clearinghouse**

National Center for Appropriate Technology

<https://www.agrisolarclearinghouse.org/>

### **Best Conservation Practices for Solar Development Projects in Mississippi**

U.S. Fish & Wildlife Service

<https://ipac.ecosphere.fws.gov/project/HSRTUXE5PFE7JMAUZFFKQ5DANM/documents/generated/7127.pdf>

### **Colorado Parks and Wildlife's Best Management Practices for Wind Farm Development**

Colorado Parks & Wildlife

<https://cpw.widencollective.com/assets/share/asset/6aulbyxclo>

## **Research**

The research around solar facilities interactions with wildlife and multiple-use designs is ongoing.

### **Deploying Solar with Wildlife and Ecosystem Services Benefits (SolWEB) Funding Program**

U.S. Department of Energy

<https://www.energy.gov/eere/solar/deploying-solar-wildlife-and-ecosystem-services-benefits-solweb-funding-program>

### **Buzzing Around Solar: Pollinator Habitat Under Solar Arrays: What is Pollinator-Friendly Solar**

U.S. Office of Energy

[Buzzing Around Solar: Pollinator Habitat Under Solar Arrays | Department of Energy](#)

### **What is Agrivoltaics: Solar and Agriculture Co-Location**

U.S. Office of Energy

[Agrivoltaics: Solar and Agriculture Co-Location | Department of Energy](#)

### **Innovative Solar Practices Integrated with Rural Economies and Ecosystems**

U.S. Department of Energy Solar Energy Technologies Office and National Renewable Energy Laboratory

<https://openei.org/wiki/InSPIRE>

### **Solar Energy Interactions with Wildlife and Their Habitats: A Summary of Research Results and Priority Questions**

Renewable Energy Wildlife Institute

[Lit-Cited-REWI-Solar-Energy-Wildlife-Interactions-Summary-2023.pdf](#)

### **North Carolina Solar Land Use and Agriculture 2022 Update**

NC Sustainable Energy Association

[https://energync.org/wp-content/uploads/2022/06/2022\\_Solar\\_Agv2.pdf](https://energync.org/wp-content/uploads/2022/06/2022_Solar_Agv2.pdf)

### **Opportunities for agrivoltaic systems to achieve synergistic food-energy-environmental needs and address sustainability goals**

Leroy Walston, et. Al. Frontiers in Sustainable Food Systems, September 2022

<https://www.frontiersin.org/journals/sustainable-food-systems/articles/10.3389/fsufs.2022.932018/full>

## **Examples**

### **Bancroft Station Solar Farm, Georgia**

<https://www.siliconranch.com/us-solar/ga/bancroft-station-solar-farm/>

### **Agrivoltaics Map: Location of agrivoltaics installations across the United States**

U.S. Department of Energy Solar Energy Technologies Office and National Renewable Energy

Laboratory

[https://openei.org/wiki/InSPIRE/Agrivoltaics\\_Map](https://openei.org/wiki/InSPIRE/Agrivoltaics_Map)

**Country Acres Solar Project moves forward, breaks ground in August**

County of Placer, California

[Country Acres Solar Project moves forward, breaks ground in August | Placer County, CA](#)

**Colorado Agrivoltaic Learning Center**

<https://www.coagrivoltaic.org/>

**DOE invests \$14 million to enhance environmental and wildlife benefits from solar energy infrastructure**

U.S. Department of Energy

<https://www.energy.gov/articles/doe-invests-14-million-enhance-environmental-and-wildlife-benefits-solar-energy>

**Our plans to create and preserve native Louisiana habitat at Prairie Ronde Solar**

Lightsource BP

<https://lightsourcebp.com/us/news/habitat-creation-and-preservation-at-prairie-ronde-solar/>