

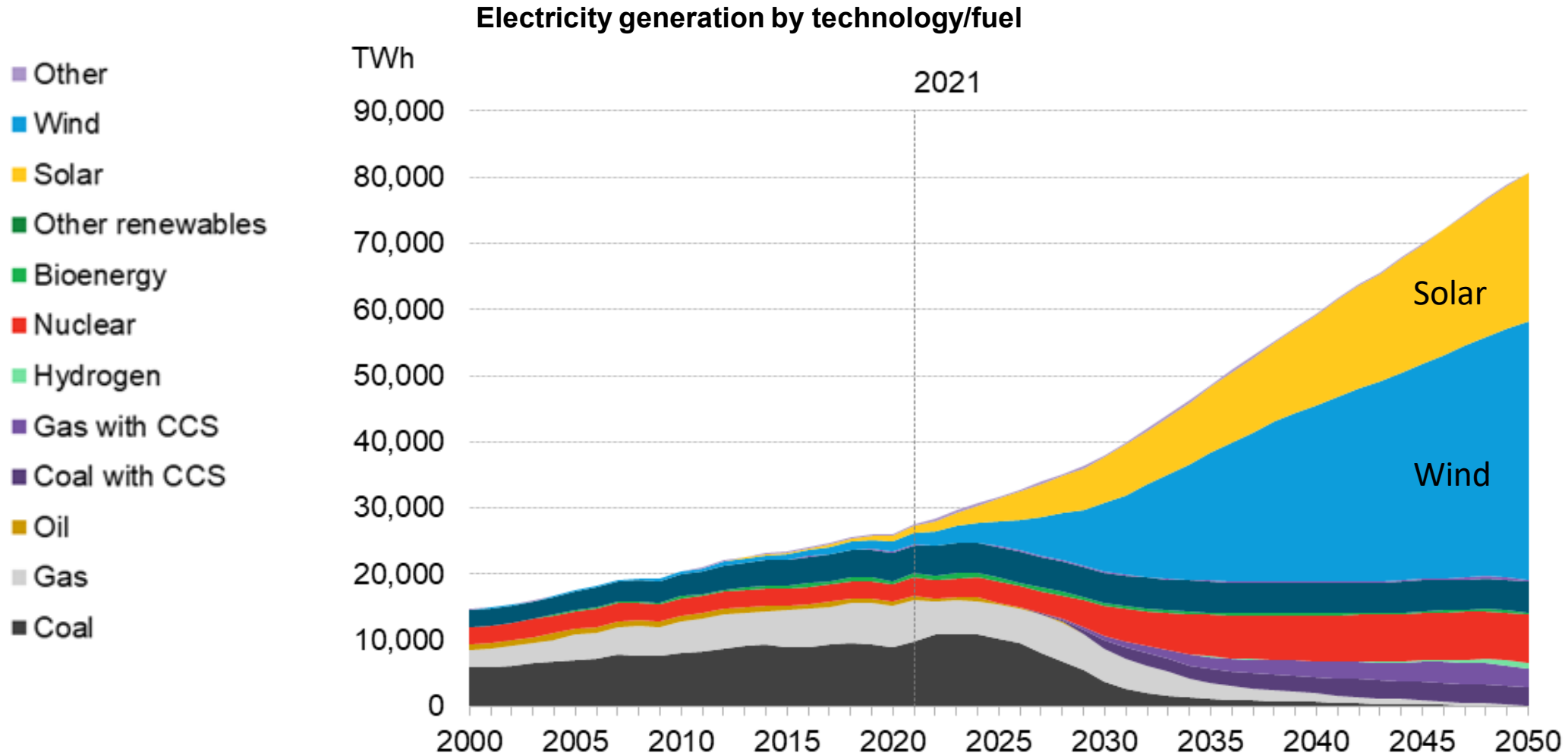
Biodiversity, Pollinators, Nature-Based Solutions in the Electric Power Industry

Jessica Fox
SMUD Board Meeting
June 2024



Global Generation Mix – Net Zero Scenario (NZS)

BNEF New Energy Outlook 2022 (May 16th, 2023 update)



Projection: 76% Solar + Wind; 6% Fossil in 2050

Solar Land Use Expansion

U.S.



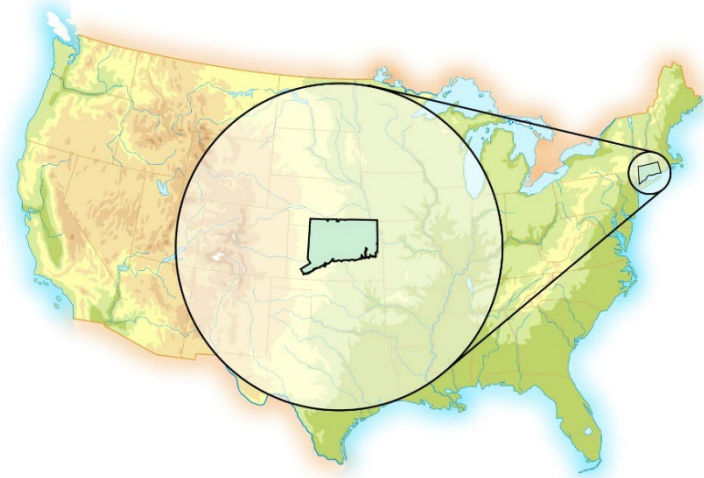
**0.6-0.9
million
acres**

2030

Global

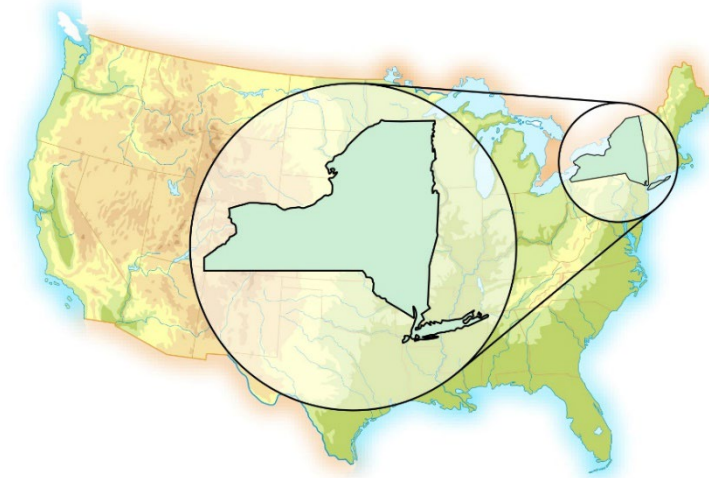


**10-15
million
acres**



**2.4-3.6
million
acres**

2050



**32-46
million
acres**

CA: 100% clean energy grid and achieve carbon neutrality by 2045

California Releases World's First Plan to Achieve Net Zero Carbon Pollution

Published: Nov 16, 2022

[Assembly Bill 1757](#) (September 2022)



GETTING MORE DONE AT ONCE



© WEDNESDAY, MARCH 8, 2023

CAN SOLAR POWER HELP POLLINATORS?

Business Case for Pollinators

Monday, June 17, 10:00 AM PT/1:00PM ET

Live on YouTube

How do we balance climate change, renewable energy goals, water issues, social equity, and biodiversity? Join executives of energy companies to discuss biodiversity and pollinator conservation in the midst of a global energy transition.

Moderated by Jessica Fox, Principal Technical Executive, EPRI.

Speakers:



Sandy Nessing

Vice President & Chief Sustainability
Officer, AEP



Mark Fronmuller

Senior Vice President of
Corporate Development,
Environmental Strategy and
Innovation, Ameren



Nancy Sutley

Deputy Mayor of Energy and
Sustainability, City of Los Angeles

Power-in-Pollinators Initiative 2024

Power companies collaborating to understand pollinators



EPRI does not represent their funders or collaborators. EPRI research results are independent.

New EPRI Report (3002030212)

EPRI

Pollinator & Biodiversity Management, Monitoring, and Reporting Practices

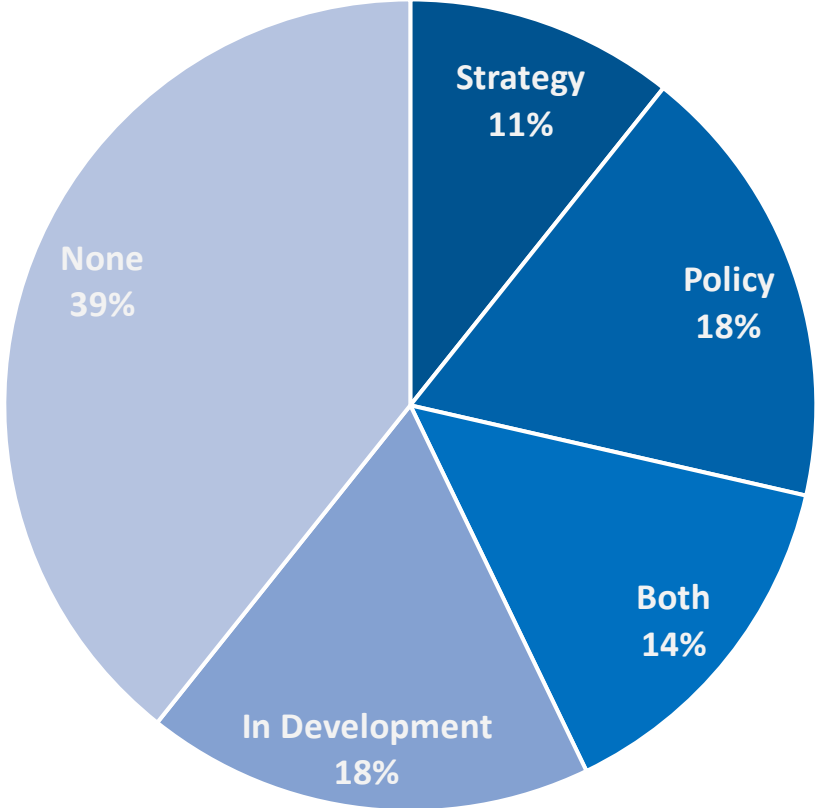
2023 Survey of the Energy Sustainability Interest Group,
Power-in-Pollinators Initiative, and Ecosystem Risk and
Resiliency Program (P258)



Purpose:

To gain an initial understanding of current practices related to biodiversity and pollinator field monitoring, corporate strategies, and public reporting to guide more formal EPRI research.

Do you have a biodiversity strategy or policy?



n = 28 companies

43% of responding companies have a strategy, policy, or both.

Key Insights:

(EPRI report 3002030212)

- ❖ Companies that provide pollinator and/or biodiversity information to their board or investors also report higher perceived executive understanding of the topics.
- ❖ The topic of biodiversity and/or pollinator management and measurement is growing in importance, as 61% of responding companies either have policies or strategies in place or have these in development.
- ❖ Despite its growing importance, only 30% of responding companies have a definition of success for the management of biodiversity and/or pollinators, and even fewer have a definition for determining the condition of biodiversity on their lands.
- ❖ Departmental ownership of biodiversity management is not always clearly defined or understood, even within organizations.

Commitment/Award Examples

LADWP Board of Commissioners Approves Motion to Ensure Biodiversity and Equitable Nature-Based Solutions are Integrated Throughout LADWP Operations

[f Share](#) [x Share](#) [in Share](#)

New York Power Authority Launches Initiatives at Niagara and St. Lawrence Visitors Centers to Support Pollinators and Educate Public

For Immediate Release: 6/21/23



Bonneville Power Administration



The EPRI logo is displayed in a bold, blue, sans-serif font. The background of the entire image is a vibrant, surreal landscape featuring a field of purple and white daisies, a hummingbird, a bee, a wind turbine, and a power line tower under a blue sky with clouds and flying insects.

EPRI

Pollinator
POWER PARTY

**POLLINATOR
PARTNERSHIP**

Protect their lives. Preserve ours.

June 17-23, 2024

