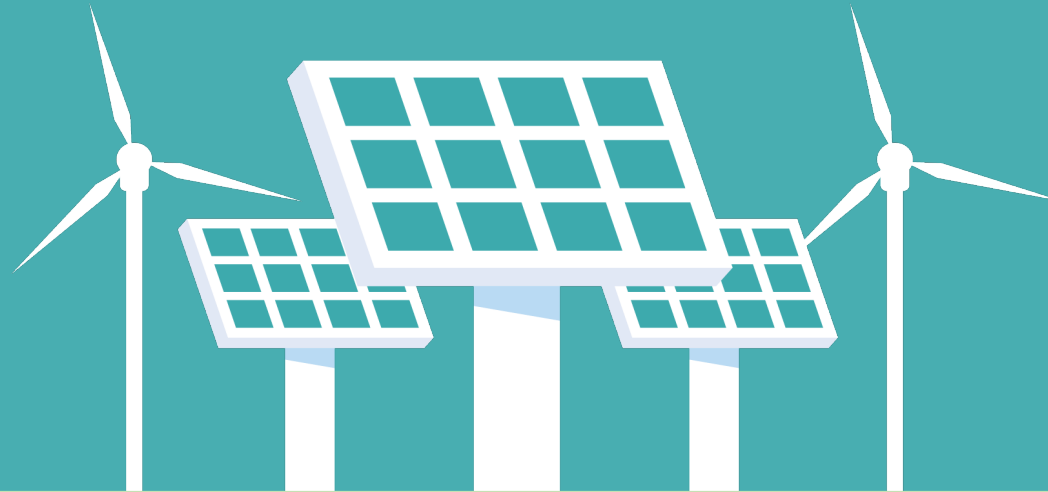


RE-Powering America's Land Initiative

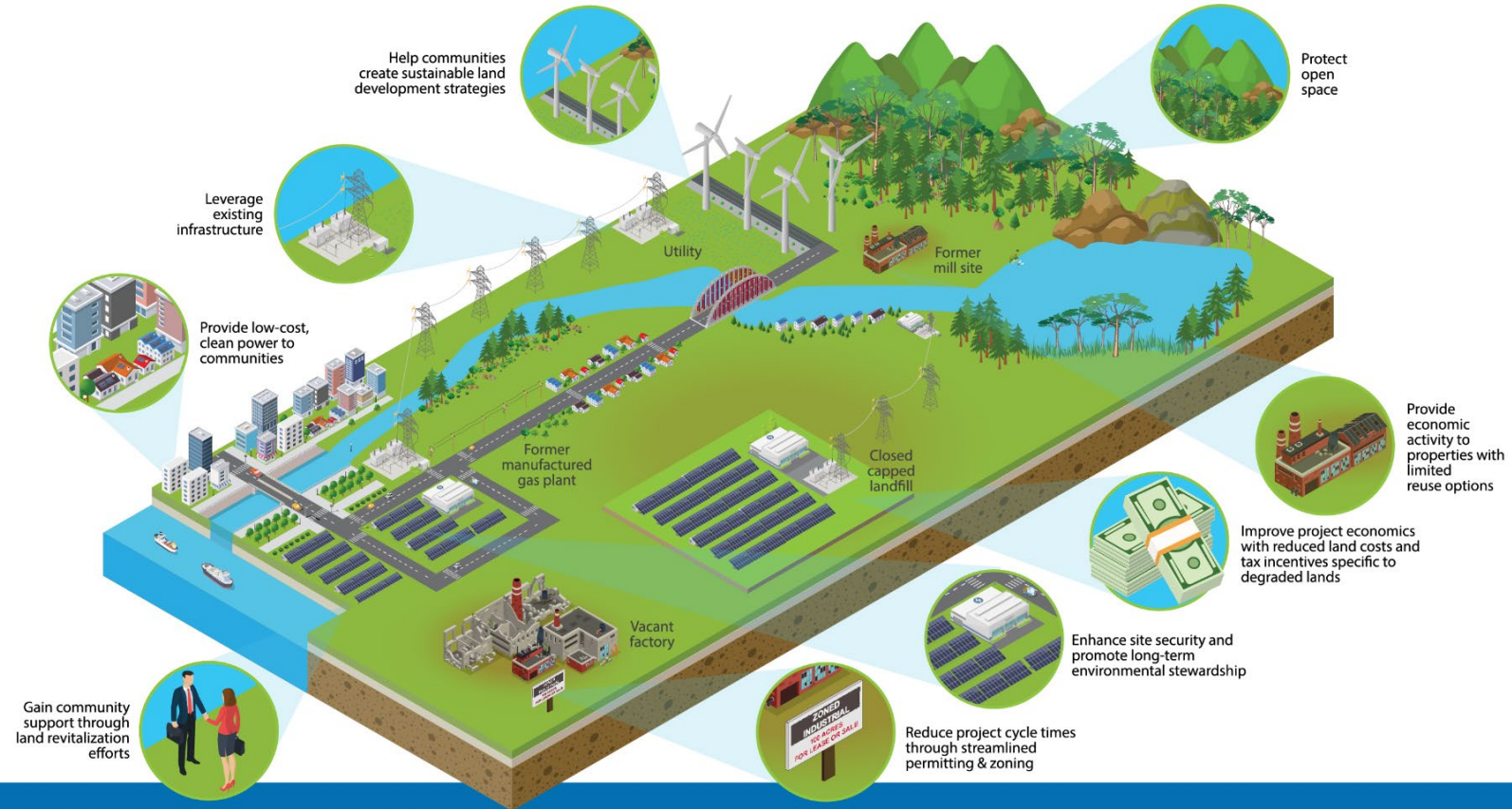
Successful State Programs for Renewable Energy on Contaminated Sites

February 21, 2024



RE-Powering America's Land

Potential Advantages of Reusing Potentially Contaminated Land for Renewable Energy



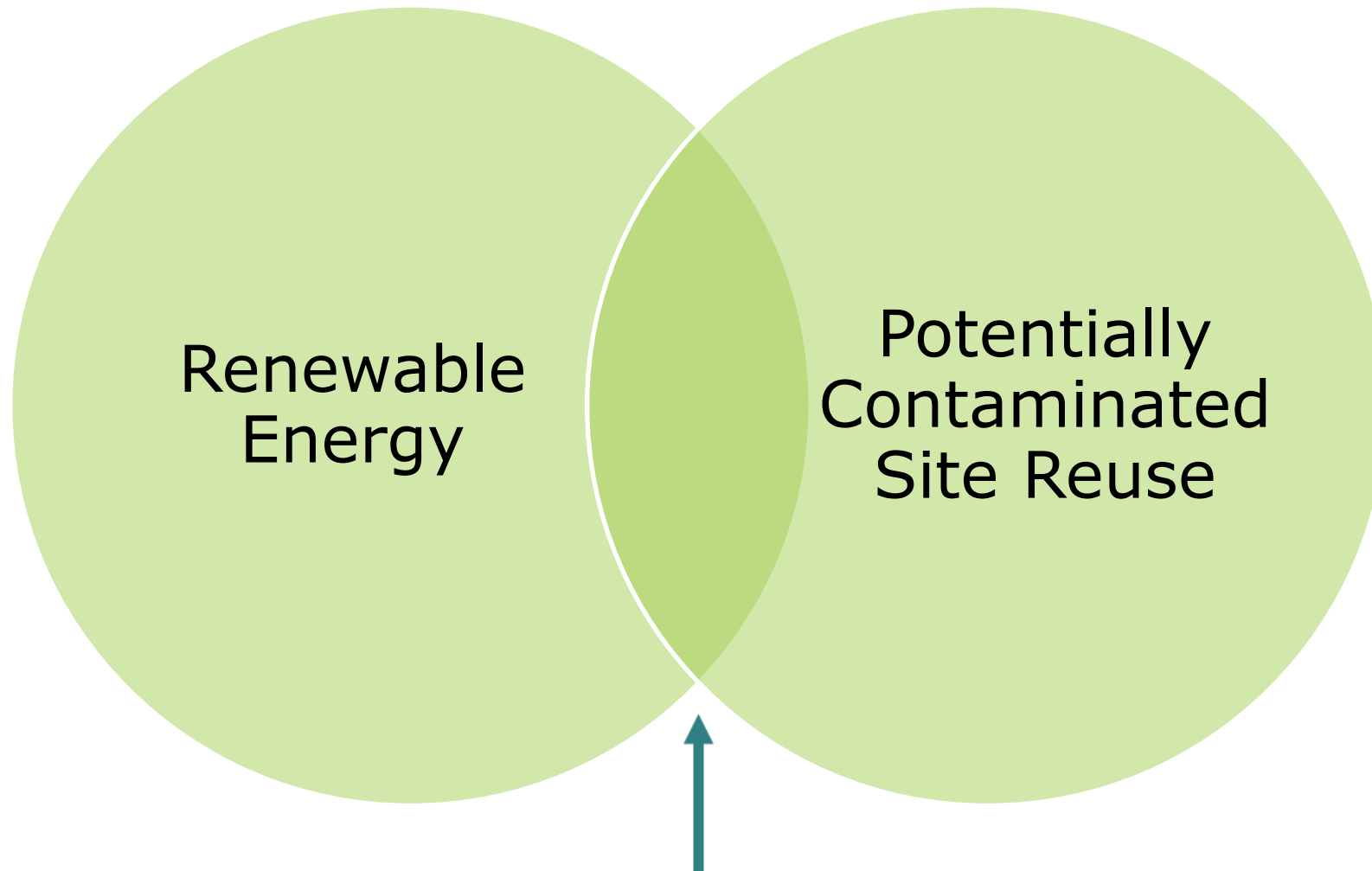
RE-POWERING AMERICA'S LAND INITIATIVE

Through the RE-Powering America's Land initiative, the U.S. Environmental Protection Agency promotes the reuse of potentially contaminated lands and landfills for renewable energy through a combination of tailored redevelopment tools for communities and developers, as well as site-specific technical support. The initiative aims to revitalize degraded land by promoting renewable energy as a productive end use, when aligned with the community vision for the site.

This strategy creates new markets for potentially contaminated lands, while providing a sustainable land development strategy for renewable energy. RE-Powering aims to turn liabilities into assets for surrounding communities by fostering collaborative networks between the energy and remediation sectors. This fact sheet provides an overview of the potential advantages of this development approach.



What Are RE-Powering State Programs?



RE-Powering Programs Involve both
Renewable Energy and Potentially
Contaminated Site Reuse

Programs:

Collectively refers to organized policies, programs, and other activities performed by states to advance renewable energy on RE-Powering sites

Addressing Climate Change: Leadership of States

The Biden Administration recognizes the leadership of states on climate change and calls for action.

America must act — and not just the federal government, but cities and states, small and big business, working communities. Together, we can seize the opportunity to drive prosperity, create jobs, and build the clean energy economy of tomorrow.

<https://www.whitehouse.gov/briefing-room/statements-releases/2021/04/22/fact-sheet-president-biden-sets-2030-greenhouse-gas-pollution-reduction-target-aimed-at-creating-good-paying-union-jobs-and-securing-u-s-leadership-on-clean-energy-technologies>

Inflation Reduction Act-funded Programs Implemented through States, Territories, and Other Non-Federal Agencies include:



Greenhouse Gas Reduction Fund



Goals of the Webinar



**LEARN CHARACTERISTICS
AND IMPACTS OF
SUCCESSFUL STATE
PROGRAMS**



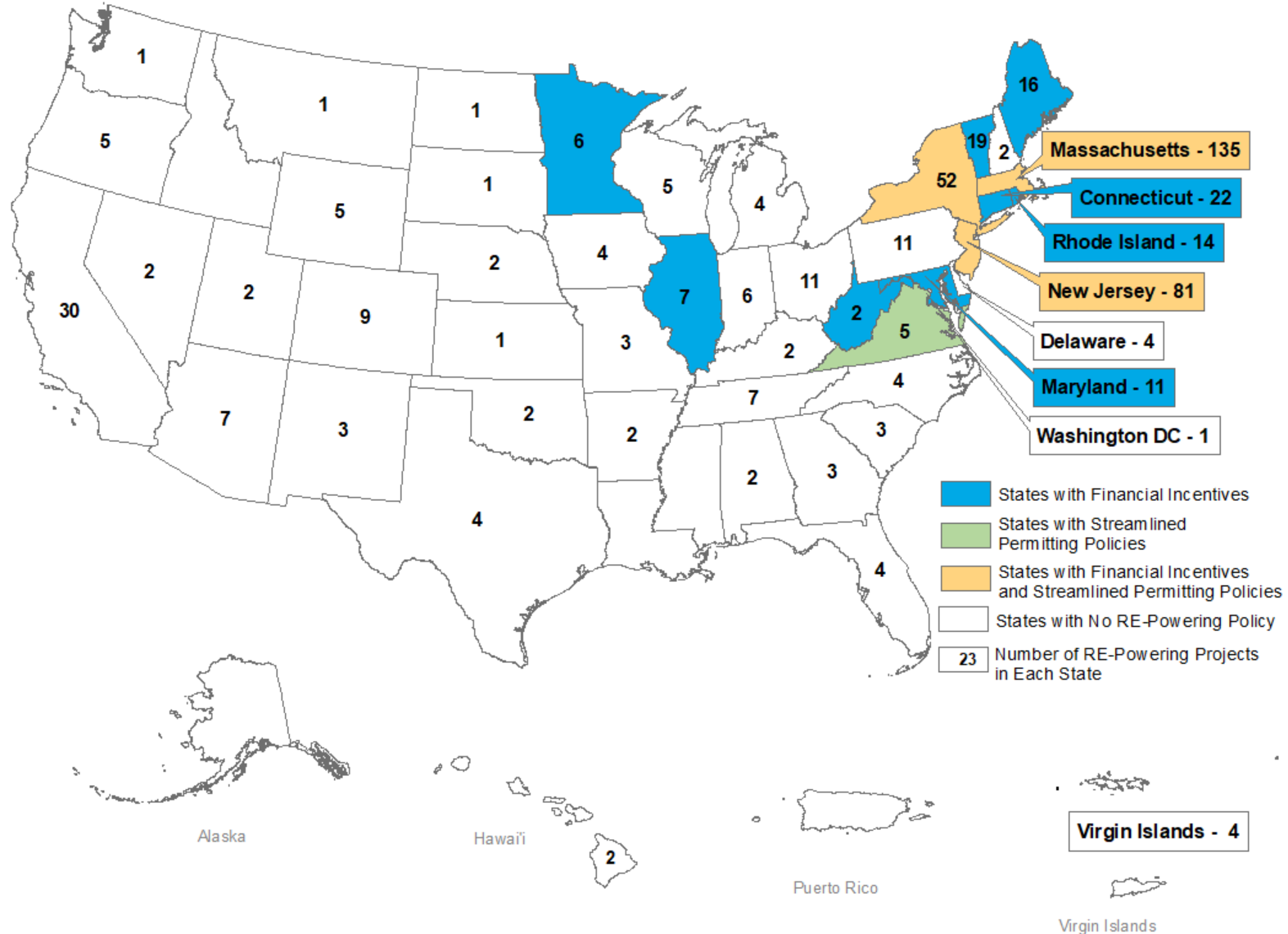
**LEARN HOW RENEWABLE
DEVELOPERS PARTICIPATE
IN AND BENEFIT FROM
STATE PROGRAMS**



Eight Common Types of State Programs

- 1. Direct Financial Incentives**
- 2. Procurement Preferences or Requirements**
- 3. Site Identification & Development Support**
- 4. Education & Outreach**
- 5. Streamlined Permitting & Environmental Reviews**
- 6. Liability Relief**
- 7. General Brownfield Reuse**
- 8. Inter-agency Coordination**

Map of Two Types of State Programs: Financial Incentives and Streamlined Permitting



The numbers inside the map show the quantity of known, installed RE-Powering projects by state and territory as of Nov. 2023

Positive Impacts of State Programs



States With RE-Powering Programs Have More Solar Capacity Installed on Potentially Contaminated Sites

2x

U.S. AVERAGE*



NEW YORK

7x

U.S. AVERAGE*



NEW JERSEY

7x

U.S. AVERAGE*



MASSACHUSETTS

RE-Powering programs are state programs that specifically encourage renewable energy development on potentially contaminated sites.

*AT THE NATIONAL LEVEL, 1.5% OF TOTAL SOLAR PV CAPACITY IS INSTALLED ON RE-POWERING SITES. BASED ON 2021 DATA.



RE-POWERING AMERICA'S LAND INITIATIVE



RE-POWERING AMERICA'S LAND INITIATIVE

Specific Examples of State Programs

New Jersey Community Solar PV Siting Tool



New York Build-Ready Program



Solar Massachusetts Renewable Target (SMART) Program

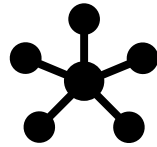


Tips for Implementing State Programs



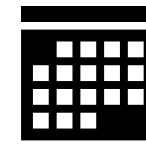
Pilots

- Consider designing new programs with early pilot phases, with subsequent full programs drawing from pilot lessons learned.



Stakeholders

- Coordinate early and consistently among internal and external stakeholders.
- External stakeholders may include renewable energy developers, EJ & LMI communities, utilities, land use and environmental groups, and others.

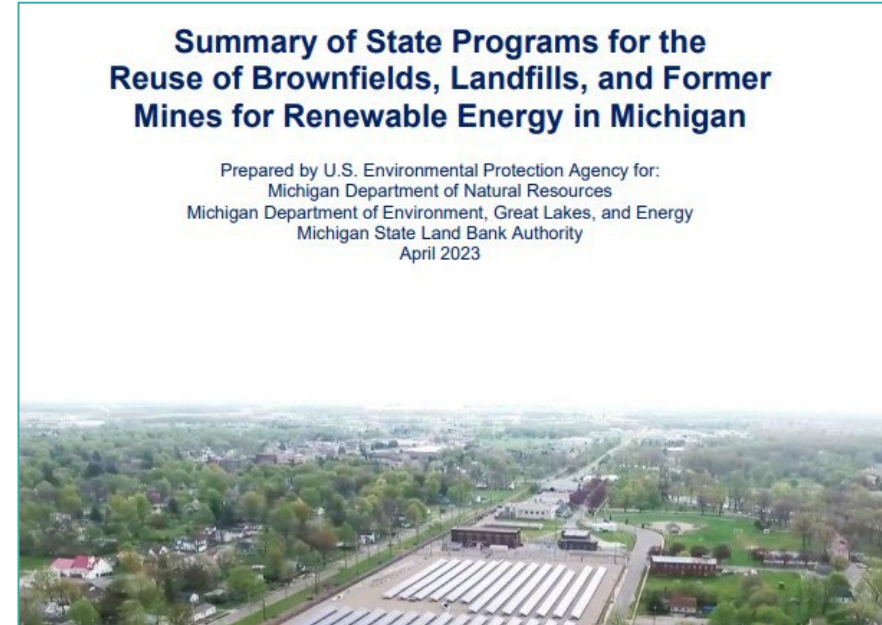


Timelines

- Recognize that states with significant RE-Powering results have combined several program types and have implemented them over long periods.
- It can take 3+ years from a program's initiation to see results in installed projects, due to the length of the renewable energy project development cycle.
- Programs that require enabling legislation may take up to several years to get to the program initiation stage.



For More Information



Available at: <https://www.epa.gov/re-powering/incentives-and-policies>

RE-Powering Contacts

Home page:

<https://www.epa.gov/re-powering>

EPA Headquarters Contact:

Lora Strine

strine.lora@epa.gov

**Get the latest updates.
Subscribe to the RE-Powering listserv.**

RE-Powering America's Land



Welcome to EPA's RE-Powering America's Land Initiative.

RE-Powering America's Land Initiative encourages renewable energy development on current and formerly contaminated lands, landfills, and mine sites when such development is aligned with the community's vision for the site. Explore our website to learn more about renewable energy and site redevelopment.

RE-Powering America's Land

- [What is RE-Powering?](#)
- [What are the Advantages of RE-Powering?](#)
- [Questions? Contact a Team Member](#)

RE-Powering Resources

- [How to Identify Sites](#)
- [How to Develop Sites](#)
- [Training and Webinars](#)

RE-Powering Projects

- [Tracking Matrix](#)
- [Benefits Matrix](#)
- [Success Stories](#)

Key Topics

- [Federal and State RE-Powering Incentives and Policies](#)
- [Best Practices for Siting Solar Photovoltaics on Municipal Solid Waste Landfills](#)
- [Coal Ash Disposal Sites and Opportunities for Solar Photovoltaic Development](#)

Sign up for the RE-Powering Listserv