



GUIDE TO SUPERFUND SOLAR REDEVELOPMENT IN NEW YORK AND NEW JERSEY

Overview

Solar redevelopment at Superfund and Brownfield sites is increasing nationwide. This fact sheet provides basic information about the solar redevelopment process and highlights programs offering technical support or financial incentives at the EPA and in New York and New Jersey. This information can help property owners, developers and other involved agencies working on solar development projects at environmentally impaired sites.

Evaluating whether a Superfund site can be safely reused for renewable energy is a multi-step process. Beginning the planning process during the early phases of cleanup allows for maximum time and cost efficiencies. Planning for construction of a renewable energy facility can begin even as site cleanup plans are being evaluated. Potential developers should consider the community's vision, as well as technical and legal considerations, for energy redevelopment. **Developers should reach out to the EPA site team after due diligence but before leasing or purchasing the Site.**

Renewable energy redevelopment on Superfund sites occurs in three phases: **pre-screening, site conditions and feasibility, and design and development.**

PRE-SCREENING



The first phase in the redevelopment process is evaluating whether a site is a viable location to develop renewable energy. Some key considerations include:

- Site size and estimated developable size
- Target generation capacity
- Potential electricity sales price range for project output
- Regulatory and land use considerations at the local, state and federal level
- Ownership status and whether lease or purchase is possible

SITE CONDITIONS AND FEASIBILITY



Site conditions, including location of remedial features, topography and regulated flood zones, will impact the developable area. Consider the following questions:

- Is additional cleanup needed at the site?
- Who is responsible for the cleanup?
- Are site conditions and climate concerns accounted for?
- Are transmission or distribution lines readily available?
- What incentives are available to fund development?
- What current or future Superfund site restrictions may exist?

DESIGN AND DEVELOPMENT



The design and development phase can begin once a developer has obtained the appropriate federal and state liability protections and evaluated the following:

- Cleanup status and needs
- Renewable energy resources
- Interconnection to nearby transmission or distribution lines



Resources

State and Federal Programs:

Superfund Redevelopment Basics

Information about redevelopment of Superfund sites.

EPA Region 2 Sites in Reuse

Examples of sites in reuse in EPA Region 2.

Top 10 Questions to Ask When Buying a Superfund Site

Information about purchase of a Superfund Site.

How to Develop Sites for Renewable Energy

Information from EPA's RE-Powering America's Land Initiative.

New York State Energy Research and Development Authority

Information about solar redevelopment in New York.

New Jersey Clean Energy Program

Information about solar redevelopment in New Jersey.

Solar Development Tools:

Superfund Sites Renewable Energy Development Checklist

National Renewable Energy Laboratory Checklist for development.

National Renewable Energy Laboratory's PVWatts

Tool to estimate energy potential for photovoltaic systems.

GeoHub

An interactive collection of mapping tools to explore and visualize reuse opportunities at Superfund sites.

Superfund Redevelopment Mapper

A mapping tool that provides site information, community context and links to relevant resources.

NREL's Solar Energy Resource maps

Solar resource data and mapping tools.

RE-Powering Mapper

Mapping tool to identify sites for renewable energy development.

RMI's Municipal Solar Siting Selection Tool

Screening tool for PV installations.

Solar Redevelopment in New York



New York has a goal of achieving 70% renewable sourced energy by 2030 and a zero-emission electric grid by 2040. The [New York State Energy Research and Development Authority](#) works with utilities, local governments, communities and developers to meet these climate goals. NYSERDA provides resources, expertise and information to advance clean energy innovation and investments.

Solar Redevelopment in New Jersey



New Jersey's statewide [Clean Energy Program](#) promotes increased energy efficiency and the use of renewable energy sources. NJCEP offers incentives, programs and services for contractors, building owners and energy consumers. New Jersey's [Brownfields Redevelopment Incentive Program](#) provides tax credits to incentivize redevelopment of brownfields sites.

Contacts

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Superfund Redevelopment Program