Awareness and adoption of Environmental, Social, and Governance (ESG) principles has grown in recent years as companies and government entities alike are recognizing that strong financial performance goes hand-in-hand with sustainable environmental and social-management practices.

Thanks to the maturation of renewable energy technology, deregulation of the energy market, tax incentives for green energy users and producers, and flexibility in de-centralized energy generation, a unique opportunity lies in integrating green energy generation into industrial and commercial properties (active and inactive) driving higher internal rates of return. That's where we come in.

ADVANTAGES

Significant Growth in Solar

Electrical generation by solar photovoltaic (PV) over the next five years is expected to double; by 2050, it's expected to be 10x higher than present. With the cost of solar PV technology equal to or below other energy-producing technologies – and with further reductions likely – transitioning to solar can help you satisfy your ESG goals and reduce your operating costs. Both large corporations and small companies are taking advantage of this opportunity as capital costs continue to fall and ESG programs become more widely adopted.

Solar Site Feasibility

A key consideration in any renewable energy project is land area and the purchase or lease costs associated with that land. Unlike with wind turbines, solar power can be easily integrated into existing landscapes (including urban areas), leverage existing buildings and structures, use land that was previously of low or no value, and provide smaller distributed energy sources.

EHS Support has extensive experience with operating facilities, former industrial properties, and landfills. We also offer comprehensive engineering and permitting capabilities and access to resources that can deliver projects quickly and efficiently. Our proprietary Solar Site Feasibility Tool (SoSeF) rapidly evaluates the feasibility of implementing solar power generation to active and inactive industrial sites and underutilized properties, including brownfields and landfills, enabling informed, go/no-go decisions to be made in a matter of hours.

Helping You Achieve Your ESG Goals

EHS Support was retained by a manufacturer of pressure-treated wood products to develop a comprehensive "net-zero strategy" for the company and complete a comprehensive facility-wide evaluation of large-scale rooftop solar photovoltaic power generation. Using a proprietary model developed by EHS Support, a ranking of site suitability was developed for all sites and a program of works was developed for all U.S.-based sites to assist the client in meeting ESG goals and reducing annual operating costs for electricity. EHS Support's evaluation of 35+ client sites, along with our detailed evaluation of ten retained sites, assisted the client in selection of a pilot plant for an initial solar installation.

We work with our clients in one of several roles to:

- **Optimize** site selection for beneficial reuse, using proprietary multi-criteria decision frameworks supported by comprehensive geospatial and irradiance databases
- **Define** feasibility for designing, installing, and maintaining solar systems for those clients looking to self-fund the solar power systems as part of their ESG agendas
- **Provide** capital and design, install, and maintain solar power systems at client sites, where the client needs ESG and greenhouse gas credits, but are not interested in investing the required capital
- **Establish** and leverage existing property holding entities to facilitate divestiture of impaired properties, eliminate carrying costs, and provide risk-based management and development
- **Repurpose** low- and no-value property for beneficial reuse, such as installation of solar energy systems

If you'd like to learn more about EHS Support's renewable energy solutions, contact Brandon Dean at brandon.dean@ehs-support.com, or Sam Ast at sam.ast@ehs-support.com.