

ASLRRRA Presentation Introduction

Ko-Solar presents groundbreaking solar energy solutions tailored for the transportation sector, showcasing remarkable environmental, social, and financial advantages. Our innovative systems not only drive the adoption of photovoltaic (PV) modules but also empower U.S. highways and railroads to play a pivotal role in national climate goals, noise abatement, air quality enhancement, zero carbon emissions, and decreased energy dependency.

Ko-Solar's solar barriers, engineered for optimal land use efficiency, offer a pragmatic solution for space-limited areas without compromising aesthetics or functionality. Strategically positioned in close proximity to highways and railroads, Ko-Solar's solar barriers may also be used to power the Electric Vehicle (EV) charging, Hydrogen fueling stations and battery storage systems, contributing further to sustainable infrastructure.

Ko-Solar's technology seamlessly aligns with key national strategies such as the Biden Administration's Climate Plan, the Bipartisan Infrastructure Law of 2021, and the Inflation Reduction Act of 2022, emphasizing renewable energy expansion and carbon footprint reduction. Moreover, it resonates with the missions of the U.S. Department of Transportation and the U.S. Department of Energy, reinforcing the nation's commitment to innovative, eco-friendly transportation and energy solutions.

By integrating solar technology into railroads, Ko-Solar not only advances clean energy initiatives but also addresses noise pollution and carbon emissions, bolstering revenue streams for Ko-Solar's railroad partners without financial burden while they focus on their core businesses. It is important to note that there is no cost to railroad partners. Partnering with Ko-Solar brings numerous benefits, including but not limited to:

- Lease-based revenue from the right-of-way.
- Reduced power expenses through discounted direct power purchases.
- Decreased right-of-way maintenance costs.
- Incorporation of cutting-edge technologies like EV Charging, Hydrogen Fueling, and Battery Storage.
- Enhanced public perception and alignment with green initiatives.
- Potential tax advantages.

Ko-Solar's collaborative approach with railroads ensures a win-win scenario, fostering sustainable growth and environmental stewardship within the transportation sector, while also obtaining additional revenue for its partners.

