

TrackerSled[®]

Simplifying Solar Farming to Catalyze.....

Revitalization of Rural Economies



Never before could Rural Electric Member Cooperatives dream of generating their own power. Now, with TrackerSled's plug-n-play platforms, REMCs can build a 3MW solar farm in weeks, leasing 12 acres of land from local farmers and ranchers, ideally situated along distribution corridors. Instead of being exported to national developers, energy dollars will circulate in the local economy.

Ground-Truthing of Regenerative Practices for Profit



With TrackerSled leases providing financial headroom, farmers and ranchers can ground-truth regenerative practices on TrackerSled fields to boost profits with lower labor costs, lower fuel costs, and lower input costs. As their acres sequester CO₂, farmers and ranchers can earn additional revenue through emerging carbon credit markets.

Local Resiliency and Self-Reliance



By keeping renewable energy in the local community that produces it, localities will become more resilient and less dependent on wholesale corporate suppliers. As the price of batteries fall, outfitting some TrackerSleds with energy storage will allow REMCs to dispatch power when the sun is not shining, dramatically scaling independence.

Improved Nutrition and Water Quality



As farmers and ranchers incorporate mutually beneficial practices that leverage the contributions from soil microbes, nutrient density of food will return to preindustrial levels. At the same time, soil particles will naturally aggregate, dramatically increasing the rate of rainwater infiltration. The decreased runoff and reduction of macronutrients in downstream waterways will improve water quality.

Drawing Down Carbon to Mitigate Climate Change



As farmers and ranchers profit from sequestering carbon, they will bank carbon in the US's largest carbon sink - our soils. If US farmers and ranchers increase their soil carbon by 3 percent and 2 percent respectively, they will sequester over a third of the atmospheric carbon released since the dawn of the Industrial Revolution.

Visit <https://trackersled.com> for more information

A TrackerSled is a pre-engineered modular platform that simplifies solar farming, allowing Rural Electric Member Co-ops (REMCs) to build solar farms themselves.

TrackerSleds are bilaterally symmetrical plug-n-play units that link together to generate clean energy on dual-use agricultural fields. Each TrackerSled includes a pair of single-axis solar trackers supported above pontoons skis ballasted with water. TrackerSleds are agnostic to topography and underground conditions, making just about any piece of farm or grazing land a candidate for dual-use farming.

Instead of building solar farms with thousands of pieces placed by hand, crews will assemble TrackerSleds from 16 prefabricated components in weeks instead of months. In the future, some TrackerSleds can be ballasted with batteries.

Lawrence Kearns, FAIA, a Chicago architect, developed TrackerSled for the Department of Energy Solar Prize, winning \$225,000 to realize a full-scale prototype. At scale, TrackerSleds costs \$2/watt installed without energy storage.



A 11.2kW TrackerSled pilot operating at Granor Farm, Three Oaks, Michigan