



WHY REGENERATIVE ENERGY™?

We offer Regenerative Energy because it's the right thing for the world: clean electricity generation on land managed using holistic methods that help mitigate climate change by increasing carbon sequestration, keep solar land in agricultural production, and build rural resilience, positively impacting millions of acres of land and ecosystems over time.

HELPS MITIGATE CLIMATE CHANGE

Regenerative Energy™ helps mitigate climate change by removing carbon from the atmosphere and storing it underground in soil. Recent research by the [Rodale Institute](#), a pioneering agricultural research and farmer training organization, concludes that more than 100 percent of current annual global carbon dioxide emissions could be sequestered with a switch to regenerative farming practices that are widely available and inexpensive to implement.

KEEPS LAND IN AGRICULTURAL PRODUCTION AND MAXIMIZES SOIL HEALTH AND CARBON STORAGE

Regenerative Energy™ keeps solar land in agricultural production through partnerships with farmers and ranchers who implement regenerative agriculture practices.

With the implementation of Regenerative Energy™, Silicon Ranch and its regenerative farming partners shift agricultural use on the land from conventional row crop farming, which degrades soil and releases carbon into the atmosphere, to perennial forage cultivation and managed livestock grazing, which together maximize soil health and the amount of carbon dioxide that is removed from the atmosphere and stored in the soil. Regenerative Energy™ results in a multi-functional solar land base that produces climate-beneficial electricity and perennial forage and livestock, thereby addressing the global need for both clean energy and meeting the food demands of the future.