

Feasibility Study

Syzygy Tile

Manufacturing Facility



Renewable energy feasibility studies are typically accomplished by an independent party to determine the likelihood of a project's success. The primary topics include the specific location and environmental characteristics of the build site and then a business and financial analysis to determine the value of the project to the client allowing them to make risk decisions prior to moving forward with the project. The technical section of the feasibility study is often boiler plate for established renewable energy technologies like wind and solar. Assuming prudent engineering is applied the largest risk factors for wind and solar is likely labor and material supply chain challenges. Other renewable technologies like bioenergy, geothermal, or hydrogen will need more technical detail to address risks before a go / no-go decision can be made.

The USDA REAP Grant requires a *Feasibility Study* to be included for Renewable Energy projects greater than \$200,000. REAP Grant applications over \$80,000 also require a *Technical Report*.

The REAP Technical Report is somewhat misleading by name and is more attuned to a Project Management Plan (PMP) with a Design and Engineering section incorporated.

Feasibility Study Contents	Technical Study Contents
Executive Summary	Project Team Qualifications
Market	Permits and Regional Agreements
Technical	Resource Assessment
Financial	Design & Engineering
Management	Project Development
Recommendation	Equipment Procurement & Installation
	Operation & Maintenance Plans

We provide the Feasibility Study to USDA REAP Grant applicants at no cost prior to any financial commitment. We ask for the privilege to bid as the Owners Project Manager & Engineer, bringing them a seamless solution meeting all the USDA project requirements.