

Use Case – AD•A No.01

DUE DILIGENCE AND PROJECT VALIDATION WITH LEYLINE RENEWABLE CAPITAL

Dairy Manure-Based Biogas Project in Colorado

AT A GLANCE

Faced with conflicting data between providers, anessa AD•A helped Leyline Renewable Capital conduct efficient and reliable due diligence and validation of a potential investment in a farm-based biogas project.

Prevented an overestimation of

53,000,000 ft³

of biogas per year

At 30,000 MMBtu per year, avoided
an overestimation of

2,000,000 USD

in annual revenue

BACKGROUND

Leyline Renewable Capital provides flexible capital solutions to accelerate the deployment of renewable energy. As former developers, the Leyline Renewable Capital team knows the challenges in the development lifecycle and has the expertise and capital to help.

Leyline has invested in more than 40 projects that are generating a substantial positive impact on our environment and economy.

CHALLENGE FACED

A dairy farm in northern Colorado, USA was interested in capitalizing on their waste by using Anaerobic Digestion. Our client, Leyline Renewable Capital, was considering an investment in their project. However, some key data of the project received from two parties—the developer and the construction firm presented conflicting numbers. Given this, Leyline had to find an efficient and reliable way to conduct validation.

WHY ANESSA?

Leyline Renewable Capital sought out anessa to review and validate the information provided. Using anessa AD•A, the team was able to assess the parameters involved and identify discrepancies that needed immediate attention.

THE RESULTS

A risk assessment analysis report generated by AD•A helped pinpoint the discrepancy in the input variables and the functional parameters, which helped find key aspects that enabled Leyline to make efficient decisions. anessa AD•A was able to prevent an overestimation of 53,000,000 ft³ of biogas per year. At nearly 30,000 MMBtu per year, this discrepancy equates to an overestimation of 2,000,000 USD in annual total revenue. When presented with this use case, our solution helped conduct due diligence and an in-depth risk assessment of the opportunity.

KEY FUNCTIONALITY

anessa AD•A's unique End-to-End Optimization makes it easy to conduct in-depth risk assessments using the Sensitivity Analysis. Leyline was able to quickly isolate the variables that bring volatility to the project's bottom line.

"Being able to do Sensitivity Analysis, analyze Greenhouse Gas emissions, and other features we weren't previously considering, such as digester sizing, and volume of effluent coming from the digester we have been very grateful for."

ALLAN ODUOR

Development Analyst @
Leyline Renewable Capital

