



Marvin Nash
General Manager

“Agriculture: The New Produced Water Solution”

America’s first agricultural-midstream company, Encore Green Environmental offers an alternative to deepwelling produced water or treating it for discharge.

This alternative allows a producer or mid-stream company to apply processed produced water to the land to enable the growth of vegetation such as grass. The strategy turns on the fact that most oil wells in the Permian and throughout the West are on open, arid ground in need of water.

This new source of water onto the land creates opportunities for new sources of revenue, as well as to achieve environmental and agricultural goals.

Encore Green Environmental’s approach starts by establishing the characteristics of the soil since the nature of the soil determines the water quality needed for application. Two big factors are conductivity (salts) and sodium adsorption ratio.

The complete method is called Conservation By-Design. This new, proprietary *methodology* (not technology) :

- Creates a total ecological solution including
 - greater vegetation
 - soil enrichment
 - carbon capture

**It’s the intersection of an industry needing to get rid of water,
meeting an industry that needs a new source of water.**

It’s called Conservation By-Design because each project must be custom tailored for the unique aspects of each parcel of land and the produced water.

In proximity to the oil well, the surrounding soil is tested to determine its makeup. This is the key data that informs how the by-product water is processed.

The water is batched for traceability and then tested to determine its makeup. That data, combined with the soil's "DNA," determined by baseline soil sampling, creates the water processing plan for optimal vegetative growth.

After processing, the water is then re-tested and applied to the ground. Once applied, the soil is continually monitored for quality and quantity. The Conservation By-Design method applies existing water technologies that meet the soil's goals.

Today, we announce our first Permian Basin project with Cody Wilson Farms, located in Midkiff, Texas.

CODY WILSON FARMS & ENCORE GREEN ENVIRONMENTAL

Cody Wilson Farms is a second generation operation in Midkiff, Texas.

Cody's vision is to use the Conservation By-Design method, but to add a solar energy component. In the Midkiff project, after the water has been processed, Concentrated Solar Power (which uses mirrors and lens to concentrate a large area of sunlight onto a small area), turns the flow of water into steam, which turns a turbine, creating electricity.

Then, once used, the steam will be condensed back down to water, which we can then be used for fracking, ag, and conservation.

In addition to agricultural and soil conversation goals, Conservation By-Design achieves :

- Carbon sequestration through vegetative growth, creating revenue through offset markets
- Water sales primarily for fracking – creating revenue
- With the electrical component in the Midkiff project, there is additional revenue from both the sale of electricity, as well as a federal Solar Tax Credit of 30%.

With Conservation By-Design, all stakeholders win – the landowner, the energy company, the environmentalists, and the agriculturalist. All of this happens by adding a new source of water into the arid land.

Contact

Marvin Nash

307.287.6711

Marvin.Nash@EncoreGreenEnvironmental.com