



# 1 Million Metric Tons Pilot



The 1 Million Metric Tons pilot program proposes to store one million metric tons of CO<sub>2</sub> annually, for 3 years running; store 10m tons annually for the next 3 years; and store 100m tons for each of the next 3. As seen in the ASU•Carbon Nation 12 minute film, [Soil Carbon Cowboys](#), adaptive multi-paddock (AMP) grazing is regenerating soils, watersheds and wildlife biodiversity. Early data shows carbon is the essential currency for this vibrancy - and ranches that have been studied are drawing down significant amounts of atmospheric CO<sub>2</sub> into their soils, sequestering soil carbon that will stay for centuries. Dr. Richard Teague of Texas A&M found AMP grazing stored 3 tons of soil carbon more per hectare per year than conventional grazing.\*

Much more research needs to be done, and that, too, is a part of the 1 Million Metric Tons pilot - for the project to be successful, we must be able to prove and verify the soil carbon accruals. If successful, this pilot will demonstrate that the fossil fuel industry has a solution that enables them to sell energy, and store the carbon, while catalyzing the production of healthy food & clean water.

The 1 Million Metric Tons Pilot will allow companies to store a ton of CO<sub>2</sub> for \$10/ton, which includes carbon payments to ranchers, verification, whole systems R&D, policy development and public education costs. This pilot is being developed within Shell GameChanger and is convened by ASU Professor of Practice, Peter Byck.

\*Teague et al (2011). Grazing management impacts on vegetation, soil biota and soil chemical, physical and hydrological properties in tall grass prairie.



## Closing the Carbon Cycle

... by using the carbon cycle

