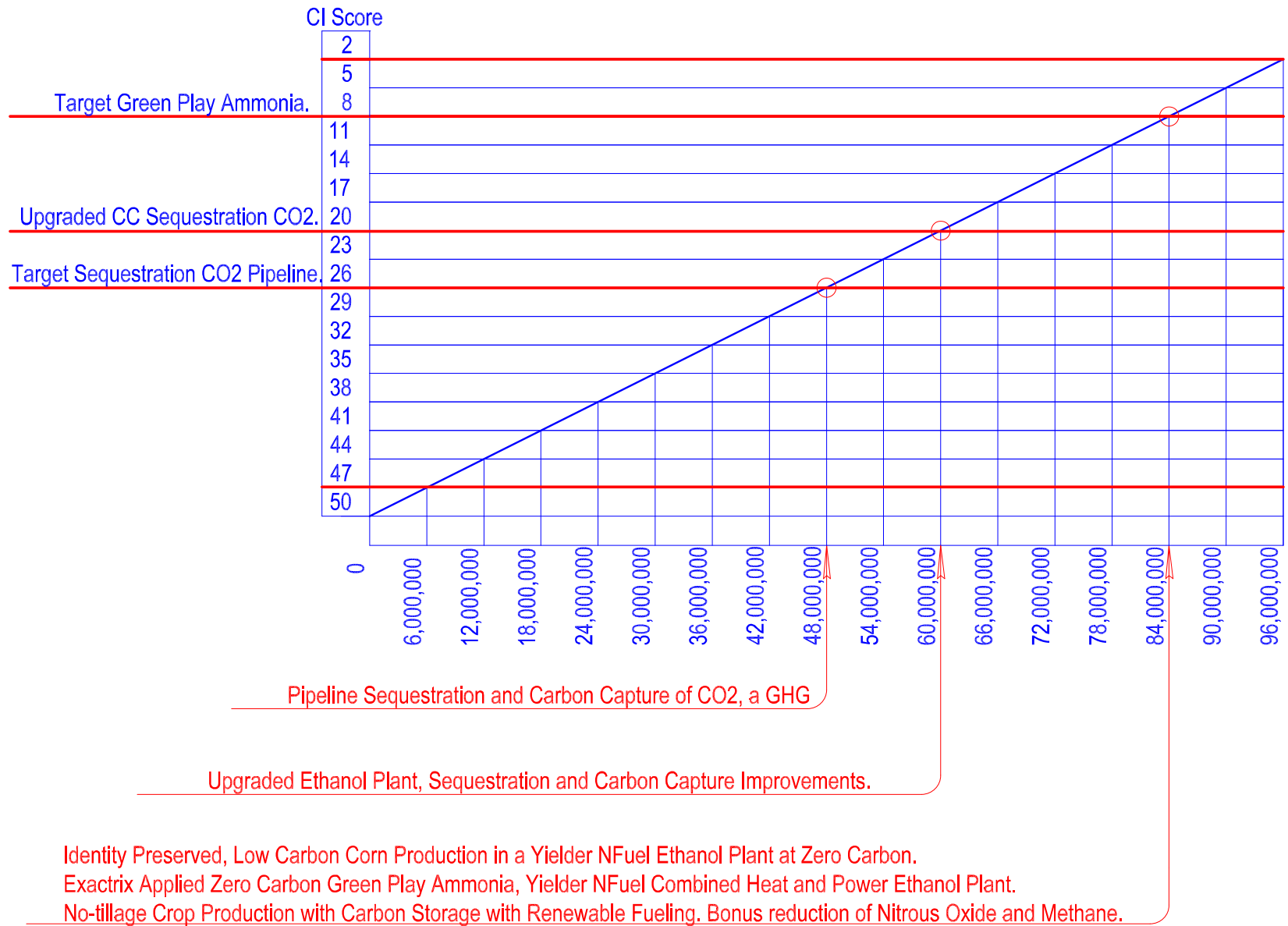


Value of 45Z Tax Credit at Various CI Scores, Nov. 26, 2023

Inflation Reduction Act. Section 45Z, Tax Credits for Ethanol Plants Based On Carbon Intensity Score.
 Annual Production Values Based on a 100 million gallon Ethanol Plant.
 8.33 million gallons per month or 2.5 million Bushels of Corn Per Month.

Can A Fossil Fuel Ethanol Plant Be Modified to Fuel-Up With Green Hydrogen and Green Ammonia?



To achieve lowest Carbon Index, Lowest GHG Ethanol three critical sectors come together to form a Transition Fuel for the New Era.
 Includes The Ethanol Plant Sector, Green Play Ammonia Sector, and the No-till Green Ammonia Crop Production Sector.
 Sector 1, Ethanol Plant, Zero Carbon
 Sector 2, Green Play Ammonia, Zero Carbon, Plant,
 Sector 3, Crop Production Identity Preserved, EPA Pathway, Low Carbon Corn with soil carbon storage.

Corn Ethanol, co-products produced at lowest Carbon Index Score have a premium price for companies like Frito-Lay/Pepsi, Hershey, Keurig/Dr. Pepper and many others that prefer a low CI score. These companies must have low carbon score inputs for their products. This includes beef production seeking a lower CI score and an overall GHG methane and nitrous oxide reduction criteria.

Lowest CI score includes corn chips to potato chips loaded with sea salt. This results in the need for a cold carbonated drink loaded with Biological Renewable CO2 or R-CO2.

A Low Carbon Score in the production cycles comes from Combined Heat and Power i.e. CHP with Zero Carbon, Green Ammonia, Green Hydrogen. Local energy built with wind and solar power at the Green Play Ammonia plant.

The green, Zero Carbon electricity comes from dual fueling of a Jenbacher 675 KW Generators, CHP. The improved co-products are:

1. Dried Distillers Grain DDG,
2. Corn Syrup,
3. Corn Oil,
4. Wet Distillers Grain WDG,
5. Renewable CO2 built with Zero Carbon Green Ammonia and Green Hydrogen.

Reference: Iowa Renewable Fuels Association, Feb. 2023
 Comparative Economics of Carbon Sequestration for Iowa Ethanol Plants,
 Exactrix GPA, Value of 45Z Tax Credit At Various CI Scores, Nov. 26, 2023