Sustainability & CI Requirements
Ethanol Producer’s Point of View

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Jeff Peterson – Commodity Risk Manager

Marquis Energy LLC

Necedah, WI
100 MGPY

Hennepin, IL
380 MGYP

~190 miles
Marquis Energy - Illinois

2008

100 MGPY Fagen/Icm Plant
Marquis Energy - Illinois

2016

Fagen/Icm Expansion to 380 MGPY (1.1 mmt)
Marquis Energy
Hennepin, IL

IMTT – 18M gallons of Storage
New Orleans, LA

ETHANOL & WATERWAYS
23 Countries 5 Continents

- Asia
- Europe
- Africa
- Oceania
- Middle East
- South America
- North America
ISCC Certifications

  • First & only continuous ISCC certified US plant – sold certified product every year


• Marquis Energy Global, Singapore – ISCC Trader (2018)
Sustainability Requirements

**Farmer:** Sustainability Declaration (SD) for corn
- 5 tenets: Farming sustainably, notably no LUC since 2008
- CI value includes fertilizer, pesticides, diesel fuel, etc.

**First Gathering Point (FGP):** SD for corn to Ethanol Producer
- ISCC Chain of Custody
- Mass Balance Corn

**Ethanol Producer:** SD for ethanol to purchaser
- CI value includes EtOH & Coproduct yield/bu, energy use, etc.
- Mass Balance Ethanol

*Each entity in the chain is audited annually*
CI Requirements: US Corn-based Ethanol

**EU** > 50% GHG savings v. gasoline
Calculated from farm to consumer at filling station
Must be ISCC-EU or equivalent certified

**Japan** = 48.7% default GHG savings v. gasoline
ISCC Plus certification is sufficient
ISCC Certification Challenges

Farmers & FGP’s must re-enroll & audit annually
Marquis certification since 2010, seen some attrition

Farmers must have no land use change since 2008
Can be challenging in some areas of US; challenging to prove as years pass

Different Ethanol Specifications in each country = more products
More products require more storage tanks (E.g.- Drier product requires more sieve capacity)

Need economies of scale and efficient logistics
Logistical advantage of barge shipping to meet CI requirements & market access

Anti-Dumping Duties and trade wars
Ethanol Industry generally & Marquis specifically, battled EU ADD for 7 years

**Reasons why very few US Ethanol Producers are ISCC-EU Certified**
MARQUIS ENERGY