

Strategies to Build the Next Generation Biorefineries

What is the Endgame?



Speakers

Gerson Santos – Corporate Director, Abengoa

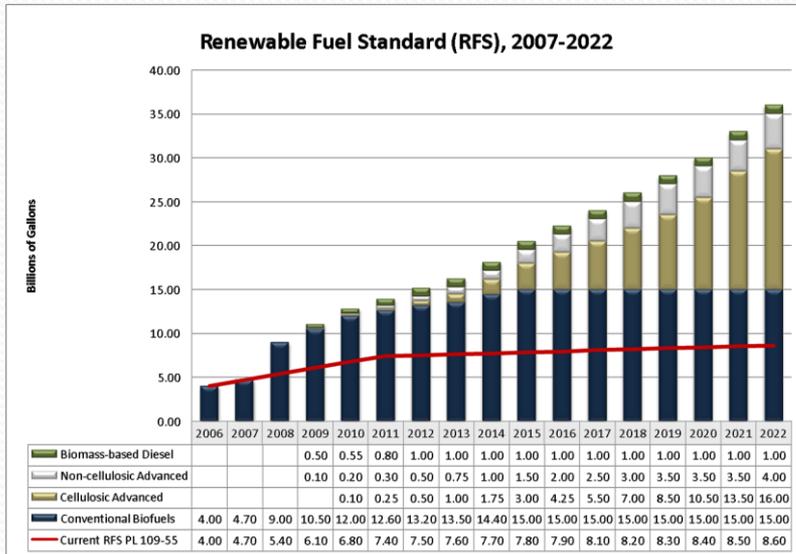
John McKenna – Chairman & CEO, Hamilton Clark & Co.

Theodora Retsina – CEO, American Process, Inc.

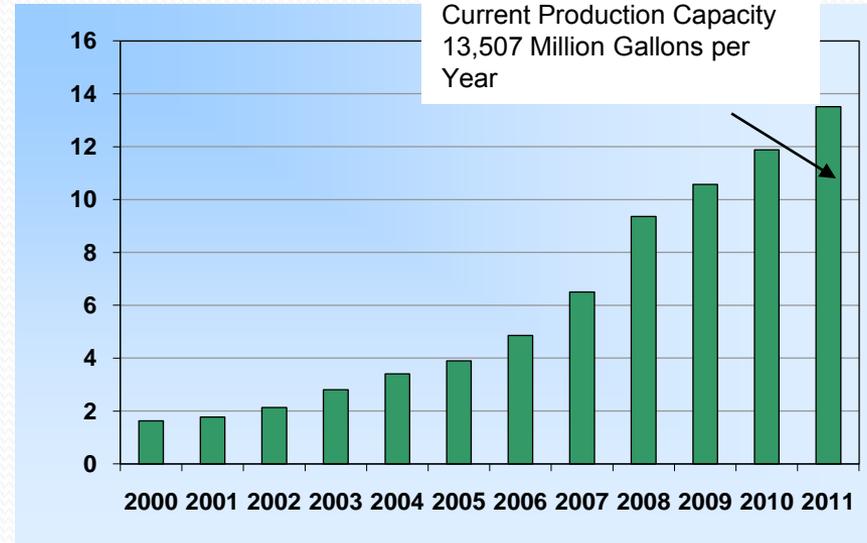
Dan Tobin – Program Manager, LGP Department of Energy

Production Trends

- The capacity of the conventional ethanol industry has nearly tripled since 2004.
- Current cellulosic ethanol capacity plus plants under construction will only provide 0.17 billion gallons.



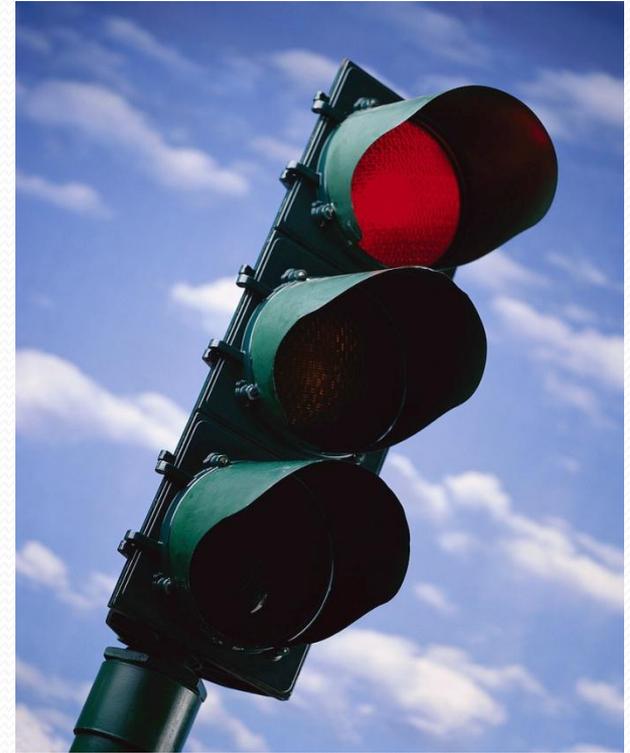
**RFS2 Biofuels Production Targets
(Billions of Gallons)**



**U.S. Ethanol Production Capacity
(Billions of Gallons)**

Policy Barriers

- Competing subsidies for commodity crops – an equal playing field is needed
- Inadequacies in current loan guarantee policies that inhibit their use
- Lack of standardization and mandates to support new infrastructure development and encourage installation of ethanol-compatible equipment (e.g., pumps)
- Lack of flex fuel vehicle mandates



Subsidies, standardization, and inadequate financing policies could create barriers to biofuels