

Creating Power from Biomass

Creating the Model, Re-engineering the Process

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The Opportunities

President's Goals

- Energy Independence
- Create Green Economy
- Create Green Jobs

The Challenge

Achieve 36 billion gallons of annual biofuels production by 2022

- 15 billion gallons from corn kernel
- 21 billion gallons of 2nd and 3rd generation biofuels

The Timeframe

To meet the challenge of producing 36 billion gallons by 2022 we need:

- Adequate capacity operational by the end of 2021
- All projects in construction by 2020

We have 10 years

The Plan – Growing America's Fuel

- President's May 5, 2009 Biofuel Directive
 - Create a “deal flow” - assuring the development of enough projects to meet the goal
- Include business structures for broad investment and the potential of “wealth creation” in rural areas
- Spread the risk as wide as possible, with different forms of businesses

The Five Elements of Feasibility

- Technical feasibility
- Management feasibility
- Economic feasibility
- Market feasibility
- Financial feasibility

Re-engineering the Process...

To meet the goal we need to:

- Re-engineer our government-wide processes to serve the needs of project development
 - Bring predictability and clear White House and departmental policy/guidance throughout
 - Support regionalization of feedstocks
- Integrate the process from all steps of the project
 - R&D, Demonstration, Commercialization, Distribution and End-user
- Bring capital together with technology
- Aggressively encourage the creation of well-funded high-quality projects to meet all elements of feasibility

Current Map of Ethanol Plants



189 - Plants

11 - Under Construction

Source: Renewable Fuels Association

Path Ahead

- Biomass Board will coordinate Federal efforts to include biofuels, biopower and biobased products
- President's Biofuels Interagency Working Group will coordinate to accomplish the RFS2 mandate of 36 billion gallons by 2022
- USDA will focus on Public/ Private Partnerships to accomplish challenges