

What are the most critical issues/constraints within your region relative to:	
	Role of R&D in regional selection and opportunities?
Feedstock availability	Forest -- wood feed stock with multiple land owners -- 50,000 land owners in Pa. alone
	2) Cultivated woody crops
	1) Municipal solid waste
	Animal live stock waste
	Perennial grass
Feedstock logistics	How is it possible to raise the value at each step

	1) Utilize existing infrastructure for wood products
	2) Utilize existing infrastructure for solid waste
Conversion & processing	Forest products industry has already invested in gasification.
	Need to make bio fuel option for bio mass more profitable to the producer (grower or initial processor) than existing use for the bio mass
	Total process cost must be competitive
	Can not degrade over time

	Bi products can to destroy the pricing in an industry that is key to the process
Economics & policy	Aviation needs the same suite of policies as automobiles to make bio jet financially viable
	Need to have policies that provide as much financial support for bio jet as for ethinol
	Look at the bio mass scenario model that is in development by the DOE (second version)
	Streamline permitting processes
	Regulation of environmental emissions must be fixed and understandable
Deployment	High Criteria
	(5 points)
Does airport demand justify facilities	Yes (11)
(Cost of feedstock transportation more important)	
High yield potential for crop in region	X% above avg (12)

Supportive state and local programs for growers / producers	exceptional
Existing biofuel production underutilized facilities near airport or pipeline	multiple options
Low labor and transport costs for harvest and distribution	< X % below avg
MSW	X
Woody crops	
Risk of crop failure in the region	< X% nat. avg.
MSW	X
Woody crops	



Aggregating various land owners -- use land grant extension and existing local businesses	Define feed stock quality -- Forest land management	
Lack of knowledge of economics to grower	Educate owners to understand how forest harvesting helps and does not hurt land -- conflict with Clean and Green in Pa	
Have transportation infrastructure in place		
Handling and transportation is an issue		
Use grass to control run off and harvest for feed stock		
Economies of scale need to be considered		

<p>Impact on roads -- negative possible -- handling and storage issues -- storage for winter use needs to be factored into plans</p>	<p>Study in NH shows that 50 miles in max distance -- is highest and best use for power?</p>	
<p>Impact on roads-- positive impact on shorter transportation and reduced use of fuel</p>	<p>How does bio jet compete with methane production? What quality of feed stock is needed?</p>	
<p>Develop markets for bi products</p>	<p>Learn from existing producers such as Cargill which uses all of the soybean to produce something</p>	

ITC, depreciation, direct grants, loan guarantees, mandated volumes, etc.		
Medium Criteria	Low Criteria	Points
(3 points)	(1 point)	
Maybe (1)	No (
Average	Y% below average	

average (6)	below average (6)	
one option	no options (X)	
average	> Y% above average	
	X	
average	> Y% above average	

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