

What are the most critical issues/constraints within your region relative to:	
Feedstock availability	
	culture
	Current technologies that utilize certain feedstocks
	that utilize certain feedstocks
	Managing/consider residues
	Consider residues, and
	Cover crops
	In NCR, the diversity of biomass
	Oil see potential (especially in the northern part of NCR)
	Forestry/woody biomass
	Significant work on algae
	Competing uses for feedstock
	Soil carbon and what you can take off.
	Must accelerate yields of a range of feedstocks (both now and long-term)

Feedstock logistics	
	Densification, processing, stabilization and storage of the biomass, satellite depots
	Potential for optimizing a crop
	System optimization/modeling
	Transportation (what we current have)
	maintain crop quality and minimize storage loss
	upgrade/assure the infrastructure that exists (rail, transportation), assess and build out were needed. (there is some substantial exists, upgrades may be needed to handle volume)
	specialized equipment (harvesting, etc.)
	consider broad-scale feedstock adaptability (e.g., corn history model)
	integration of herbaceous and woody feedstocks

Conversion & processing	
	appropriate technologies for densification (also in feedstock logistics)
	quality issues (e.g., including contaminants and uniformity)
	increase the efficiency of thermal conversion technologies
	permitting facilities
	conversion efficiency, waste streams, management of co-products and their management
	feedstock flexible technology, appropriate for the region
	opportunities to co-products, co-production of feed and fuel products
	making intermediate pipelines (energy dense products)
	must be a drop in fuel
Economics & policy	

	financially responsible bio-jet fuel marketing (scale considerations, economics of scale and quality control).
	feedstock profitability
	profitability
	risk management (connections to futures market, crop insurance, helping farmers understand risk management, etc.)
	Federal farm program impact
	land ownership trend & issues (aggregation/consolidation, tenure, ownership, etc.)
	Contracting, long-term contracting, including aggregating third parties (very important for feedstock logistics)
	long-term procurement contracts for all parties

	new environmental regulations to regulate type of energy production
	maintain profits locally.
	technology neutral policy
	raise public awareness of biofuels
	policy based on science and human resources
	current equities market
	climate change policies and proposed legislation
	influences of oil prices and policies, oil markets (variable incentives associated with price of oil)
	renewable fuel standards
Deployment	High Criteria
	(5 points)
Top Producer / Farmer Priority	
Jet Market size justifies 40% jet /40% diesel / 20% coproduces justified for near airport facility	Yes

Airline buyer stability (consortium, collaboration to reduce risk)	
High yield potential for crop in region (positive environmental impacts)	X% above avg
In addition to federal programs, supportive state and local incentives for growers / producers - support to use the program and grower education.	exceptional
Existing biofuel production underutilized facilities near airport or pipeline (e.g., matching crops with such facilities such as bases in ND and OH.)	multiple options
Total production costs, (e.g., labor and transport costs for harvest and distribution, densification)	< X % below avg
Yield stability, and risk of crop failure in the region	< X% nat. avg.

Top Purchaser Priorities	
Jet A Disadvantaged price at airport.	
Jet A Supply Disruption Frequency	
Expected traffic growth in PM 2.5 non attainment area	
Use for Biodiesel output in GSE	
Input of fuel at pipeline juncture eases distribution	
Mil Customer to share off take / risk	
Common Issues	
#NAME?	
#NAME?	

Medium Criteria	Low Criteria	Points
(3 points)	(1 point)	
Maybe	No	

Average	Y% below average	
average	below average	
one option	no options	
average	> Y% above average	
average	> Y% above average	