Electric revenue (blue) assumes conventional PPA/Financing based on 5.5 MWe nameplate capacity with penalty for LF<80% and bonus for LF>90%
Electric A assumes similar PPA/financing basis but with NP capacity stated at 4.5 MWe
Plant is identical in both scenarios, actual sustainable peak capacity is 6.0 MWe
Char revenue assumes building of new market, based on current pricing, with premium pricing for first movers, progressive increased production leading to but decreasing pricing
Delta in Electric and Electric A is exaggerated to show trend
performance boost is earlier in Electric A but is not likely this great; lines probably meet or nearly so between 5 and 5.5 MW
Renewable Energy through Biomass Gasification

Clean Energy Connections Conference 2010
MassMutual Center
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generation system.
Turning Biomass into Energy since 2003
ICM’s Commercial Demonstration Gasifier

- Located in Newton, Kansas
- 150 - 200 ton/day capacity
The NEEED Project
Nutrition, Energy, Environment and Economic Development