Cirque Energy, LLC

Testimony before the Standing Committee on Energy and Technology

June 7th, 2011

Cirque Energy, LLC
Who we are:

A renewable energy development company based in Michigan, whose team has strong experience in:

- Development
- Design
- Financing
- Construction,
- Operations of biomass facilities

The Cirque Energy Team

- Thomas Cote', development and construction
- Richard Fosgitt, technology and engineering
- Roger Silverthorn, plant operations and finance
- Scott Silverthorn, development and contracts
- Margaret O'Riley, government affairs and communications

The Cirque Energy Team

- Roger Glawe - Northern Timberlands, fuel procurement
- David Prouty - HTI, technology
- Remos Lenio - Hartwick Capital, finance
- The Christman Company, construction management
- Morbark Corporation, manufacturing and fuel handling
- Bruce Goodman - Varnum Law, legal counsel
- Chuck Hookham – HDR Engineering

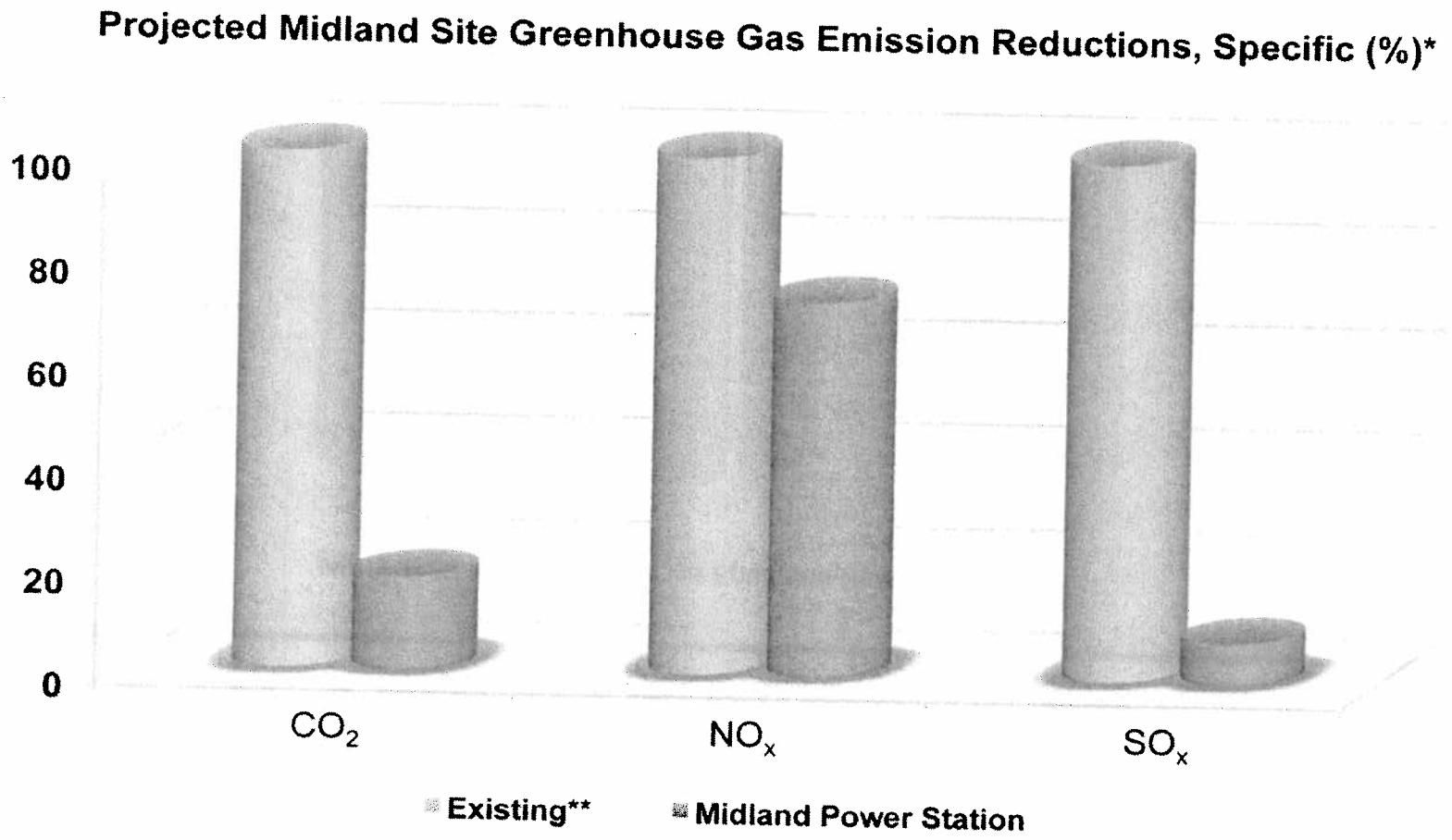
Midland Power Station
A recent example of gasification

will build, own, and operate a renewable energy facility that will produce all of the steam needs and a vast majority of the electrical needs of the Dow Corning industrial complex in Midland, Michigan

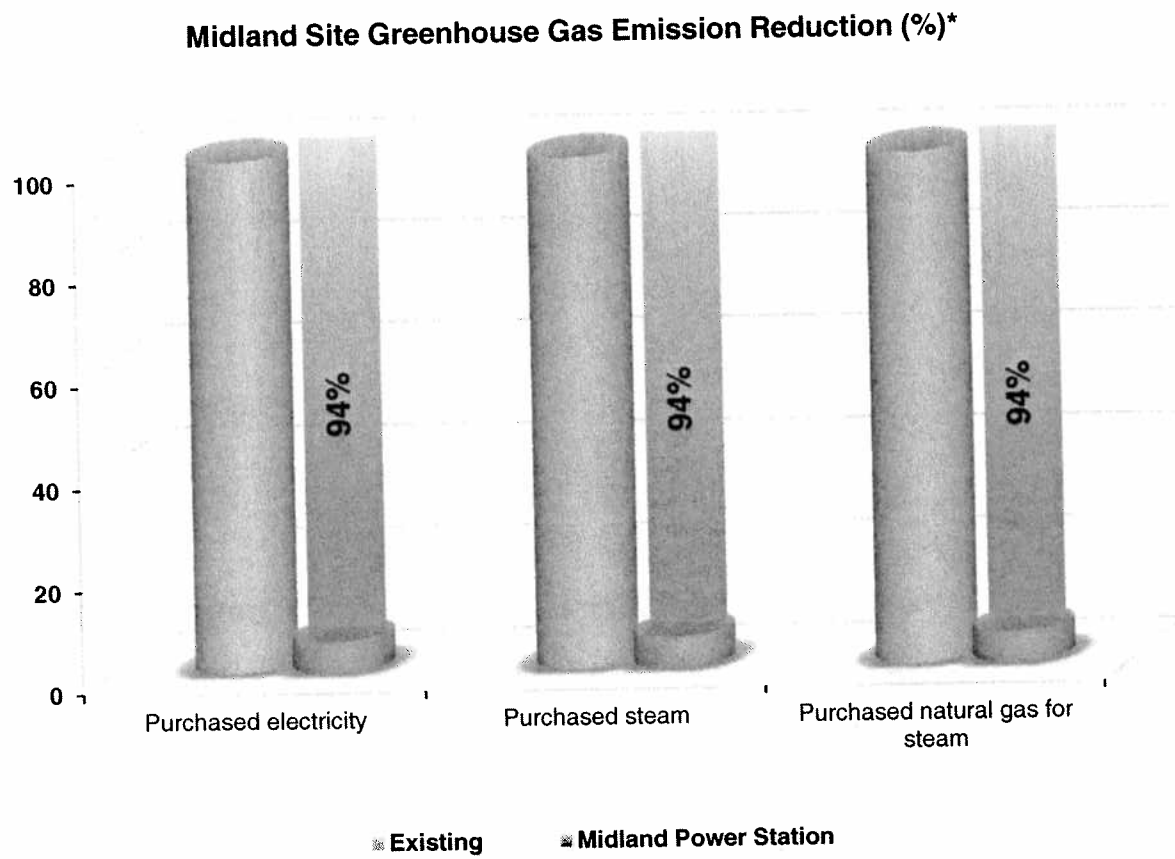
Midland Power Station
Characteristics of a Facility

- Sets new standard for environmental compliance
- Substantial local economic benefits
- State of the art gasification technology
- Sustainable renewable fuel

Reducing Midland Site CO2, NOx and SOx Emissions



Reducing Greenhouse Gas Emissions at Dow Corning's Midland Site



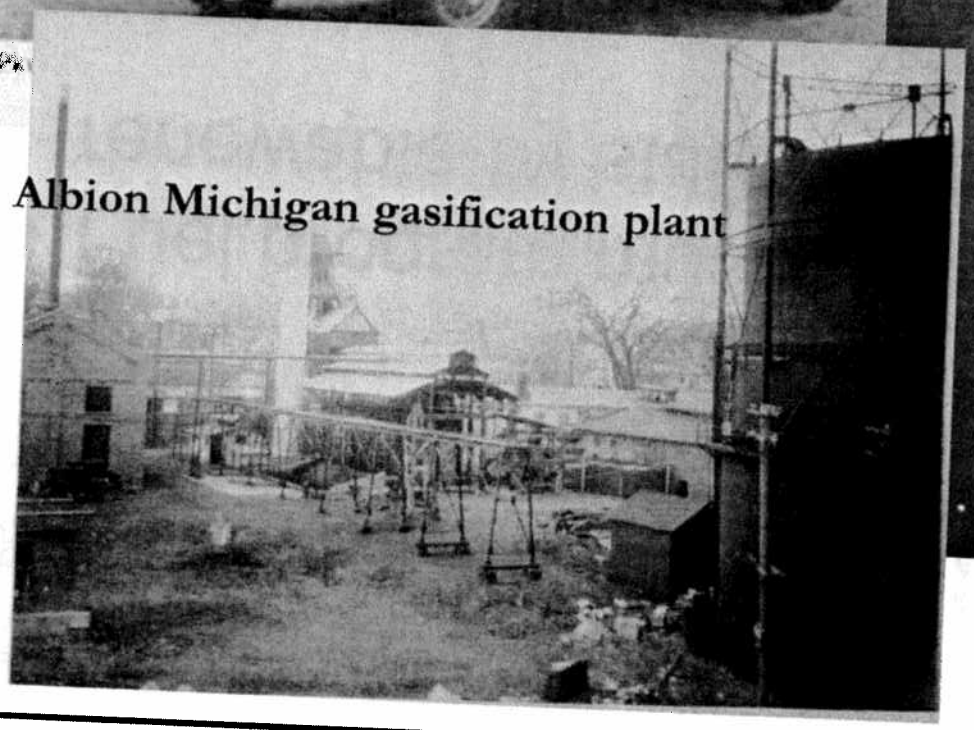
Midland Power Station
Substantial local economic benefits

- **Jobs**
  - 100+ construction jobs, 70% Michigan workers
  - 25 permanent jobs,
  - 100+ permanent fuel related jobs
- **Supports Sustainability of existing Industry**
  - Predictable energy prices
- **Improves tax base**

Gasification
State of the art technology –

- Not new, just revived
- Michigan Based Technology
- Fuel flexibility and diversity
- Dramatic emission reductions
- High efficiency by cogeneration

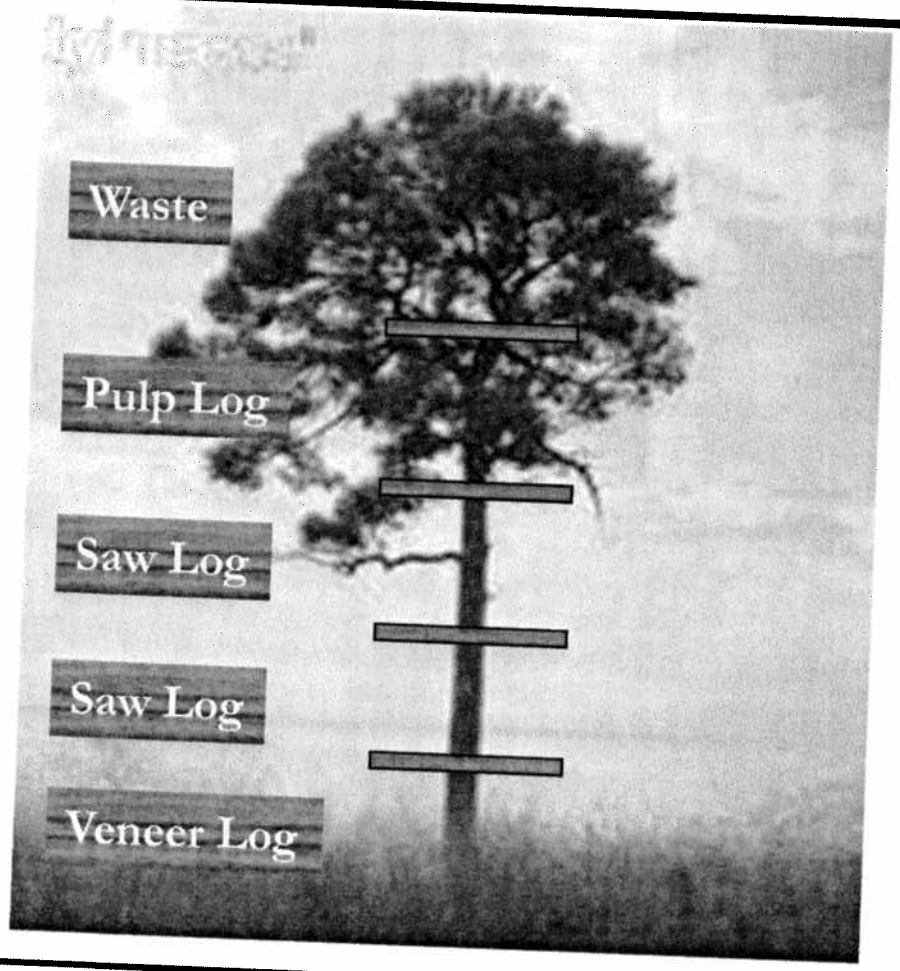
Historical Gasification



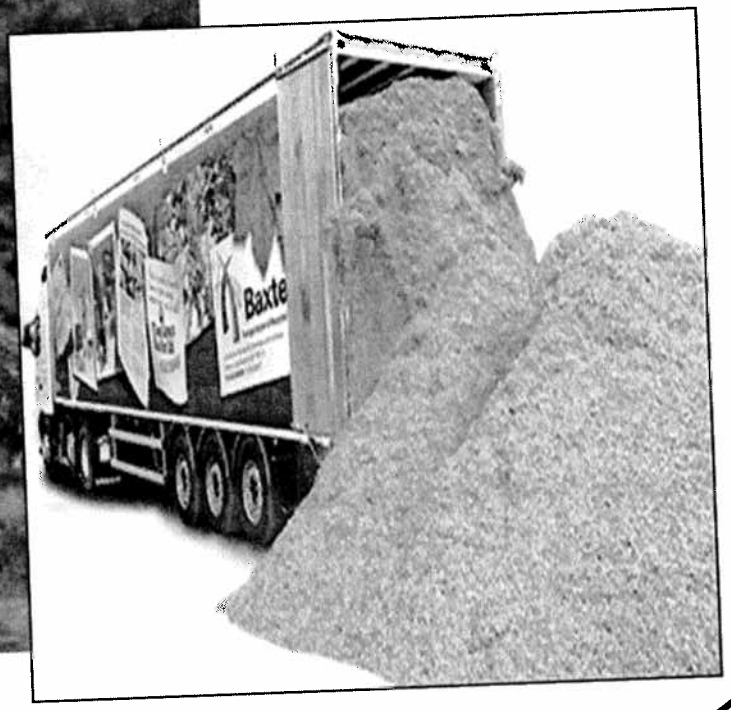
Gasification
Sustainable renewable fuel

- Fuel program must be sustainable and renewable by state law and by contract.
- Diversity of Fuel
- Fuel could include:

Uses of a Tree



Wood Waste



Energy Crops

Ag Wastes – Corn Stover

Michigan Renewable Energy Policy

- Make allowances for Distributed Power
- Provide Access for Entrepreneurs
- Allow for Innovation and Innovators
- Allow for utilization of existing resources

Questions?

Contact

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Cirque Energy; Right Now, Right for Ever