



ME Alternative Energy Initiative

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ME Alt Energy Initiative

- Outline
 - “program”
 - Drivers
 - Approach
 - Example >> H2 Tractor



Photo credit: corbisimages.com



Photo credit: U.S. Department of Energy

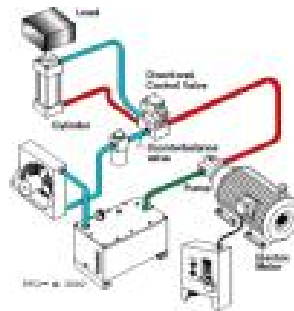


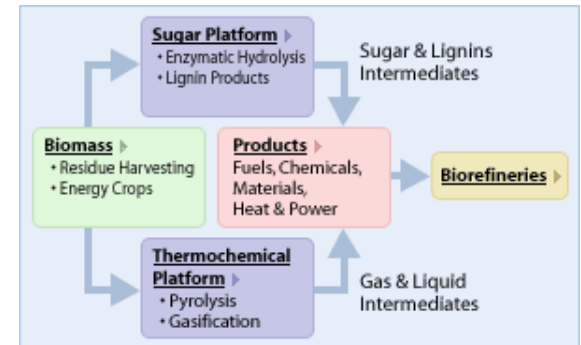
Photo credit: California Energy Commission





ME Alt Energy Initiative

- Program in Development
- Drivers
 - Work with Tribal Colleges and opportunities available
 - Position of North Dakota within US Energy dialogue
 - Resources available
 - Congressional position
 - Future Global Needs





ME Alt Energy Initiative

- Approach

Program will consider the energy system through the following perspectives

- Sources & Sinks
- Methods & Machines
- Policies & Pricing

Education

Lesson on ENERGY





ME Alt Energy Initiative

- An Example: H₂-Tractor
 - Basin Electric Coop Sponsored wt DoE support
 - Joint Project: ME, ABEN & ECE
 - Sr. Design Project
 - Working with Ag Extension Station
 - H₂ from Turbine

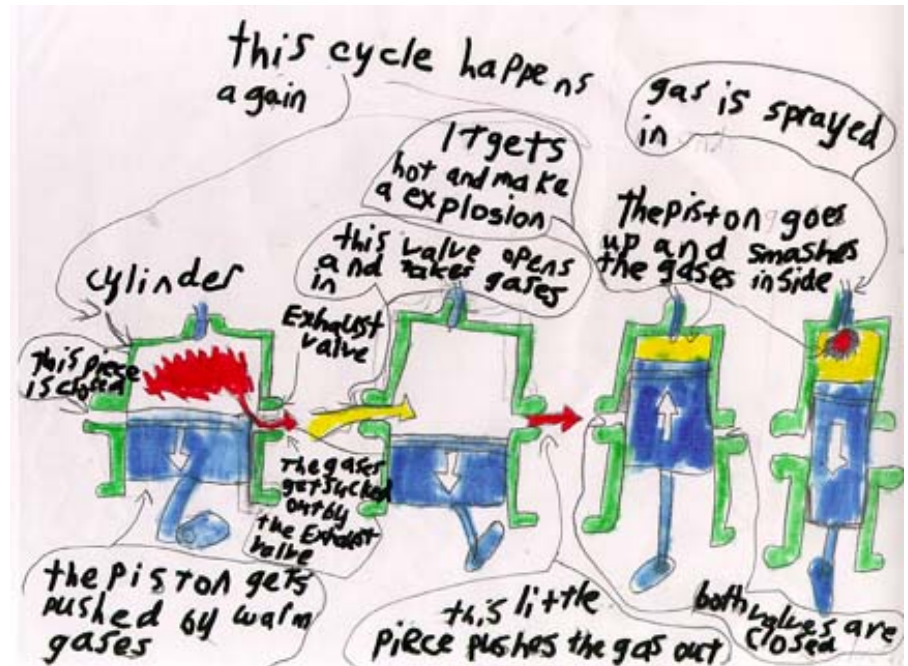


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ME Alt Energy Initiative

- Actual Work
 - H2 Fumigation
 - Augmentation of gas into supply air
 - Timing adjustments needed
- Concerns
 - Safety, Energy



library.thinkquest.org/3886/typese.html
<http://energy.bmstu.ru/e02/diesel/d213eng>