Thermal Energy Renewable Fuels
Perspectives from the Wood Pellet Industry
Pellet Fuel - A Simple Concept

Proven Renewable Energy Solid Fuels Technology – growing to meet diverse solutions for

- Commercial Metered Heat
- Community Heating
- Industrial Process Steam
- Utility Co-Fire Fuel

Delivering Significant Economic & Environmental Benefits

- Permanent displacement of fossil fuels
- Lower greenhouse gas emissions
- Create quality rural community jobs
- Retain a critical logging industry
A Flexible Fuel Solution

40 Years+ of history as a home heating alternative fuel....

Now growing rapidly to meet new market needs:

- Commercial Metered Heat
- Community District Heating
- Industrial Process Steam
- Utility Co-Fire Fuel
Meeting Economic & Environmental Needs

Delivering Significant Benefits

- Displacement of fossil fuels
- Lower greenhouse gas emissions
- Create quality rural jobs
- Retain critical logging capacity
A Community-Based Industry

- 90+ Pellet Plants
- In 40+ States
- 3 million tons of production
- Heating 1+ million homes
Strong Growth Potential

- Community-sized assets
- Rural based
- High ‘generational job’ value
- New uses for pellet fuels
- Low environmental impact
- Matched to forest reserves
- Ideal co-location with biomass generation
The Future of Pellet Fuels

- 50+ new projects in development
- Rural community based
- 30-50 jobs/facility
- Whole log – 50 mile radius supply
- Domestic demand growth driven
- Some export potential
- Presently lacking Federal incentives
New Pellet Fuel Markets

- Transitioning to larger heat-energy boiler applications
- Growing potential for whole home furnace replacement
- Commercial heating systems
- Industrial steam applications
- Option for coal co-fire boiler fuels

A regional industry – serving local communities
Conclusions

- Proven technology
- Strong growth potential
- Ideal industrial partner to support sustainable forest management practices
- 3x production growth next 5 years
- ~2-3,000 new jobs created from Alaska to Maine to Florida
- $300 million of new capital invested
- Small impact / exceptional carbon footprint