



## FACT SHEET

### Energy Systems & Efficacy

#### Information

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#### What They Emit

Natural Gas - 56.1 kg CO<sub>2</sub>e/GJ

Wood Waste - 112 kg CO<sub>2</sub>e/GJ

Diesel Fuel - 74.1 kg CO<sub>2</sub>e/GJ

#### Other Services

Website & Social Media  
Database Design  
Event Management  
Managed Services  
Grant Consultation  
Energy Systems  
Special Projects

### Energy Systems

This work is led by individuals that have many years of experience in major projects around the world and bring proven ability to produce desired or intended results

### What's Involved

- **Corporate Goals to be Achieved**
  - Work Breakdown
  - Define & Measure
- **Project Goals & Variations Attained**
  - Constructability & Contracts management
- **Quality**
  - Quality Control
  - Quality Assurance
  - Inspection
  - Safety
  - Training Needs
- **Related Operations & Logistics**
  - Project EPC & Maintenance Management Estimating
  - Project EPC & Maintenance Management Scheduling
  - Construction Management & Materials Logistics
- **Current Projects**
  - Energy Systems & Efficiency
  - GHG Reduction
  - Geo / Solar Thermal
  - Biogas, Wood Gas, Landfill Gas
  - Synthetic Fuels
  - Clean Fuels Awareness Fact Book

### GHG Reduction in Forestry – How We See It

#### Project Sponsor Considerations

Resources (\$\$), human, material → Value Generation  
Staffing / Project management → Effect on Cash Flow  
Partners → Transparency Risks  
GHG Emissions Measurement → GHG Reduction / Mitigation

#### Project Assessment (Critical Decision Points)

Concept & Viability + (GOB - GIB) → (Lost) Profitability + AARR  
Work Breakdown + Optimizations → Risk Definition & Assessment  
Project Sanctions + Decision Gates → Partner Commitment  
GHG Emissions Measurement → GHG Reduction / Mitigation

#### Project Execution, Changes, Close-Out

Attitudes + Problem Resolution → Identification, Definition, Resolution  
Project (Values) "Drivers" → Risk (Time, Quality, Cost) Uncertainty  
Project Goals → Cash Flows + AARR Variances

### The NEXUS of Energy and Water