



**Return2Green  
International Presents**

A green recycling symbol consisting of three chasing arrows forming a triangle, with a globe of the Earth in the center. The globe shows continents and oceans in shades of green and white.

**Renewable  
Distributed  
Hydronic  
Energy System**

# **Disadvantages of Grid Based Energy Delivery Systems**

- **High Capital Expenditure For Plant**
- **High Capital Expenditure For Transmission**
- **Fuel Costs Rising**
- **Emissions Limits Are Falling**
- **Security Issues**

# **Advantages of Distributed Renewable Power System**

- **Low Capital Investment**
- **Less Government Regulation**
- **Uses Existing Lines Or None**
- **Stand Alone Capability**
- **Portable By Truck**
- **Potential Renewable Energy Credits**
- **Potential Government Subsidies**
- **FREE FUEL**

# Hydronic System Fuels

- **Agriculture Waste**
  - **Corn Husk**
  - **Rice Husk**
  - **Wheat Straw**
  - **Sugar Cane**
  - **Any Organic Agro-Waste**
- **Virgin Woods/Timber**
  - **Logging Trimmings & Waste**
- **Discarded Plastic Bags, Water Sachets and Water Bottles**
- **Baled Cardboard And Paper**
- **Landfill Refuse (Non-Metallic)**
- **Disaster Debris**

# Hydronic System Fuels

- **Agriculture Waste**
  - **Corn Husk**
  - **Rice Husk**
  - **Wheat Straw**
  - **Sugar Cane**
  - **Jatropha**
  - **Any Organic Agro-Waste**



# Hydronic System Fuels

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  - **Logging Trimmings & Waste**



# Hydronic System Fuels

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# Hydronic System Fuels

## ➤ Baled Cardboard And Paper



# Hydronic System Fuels

- **Landfill Refuse (Non-Metallic)**

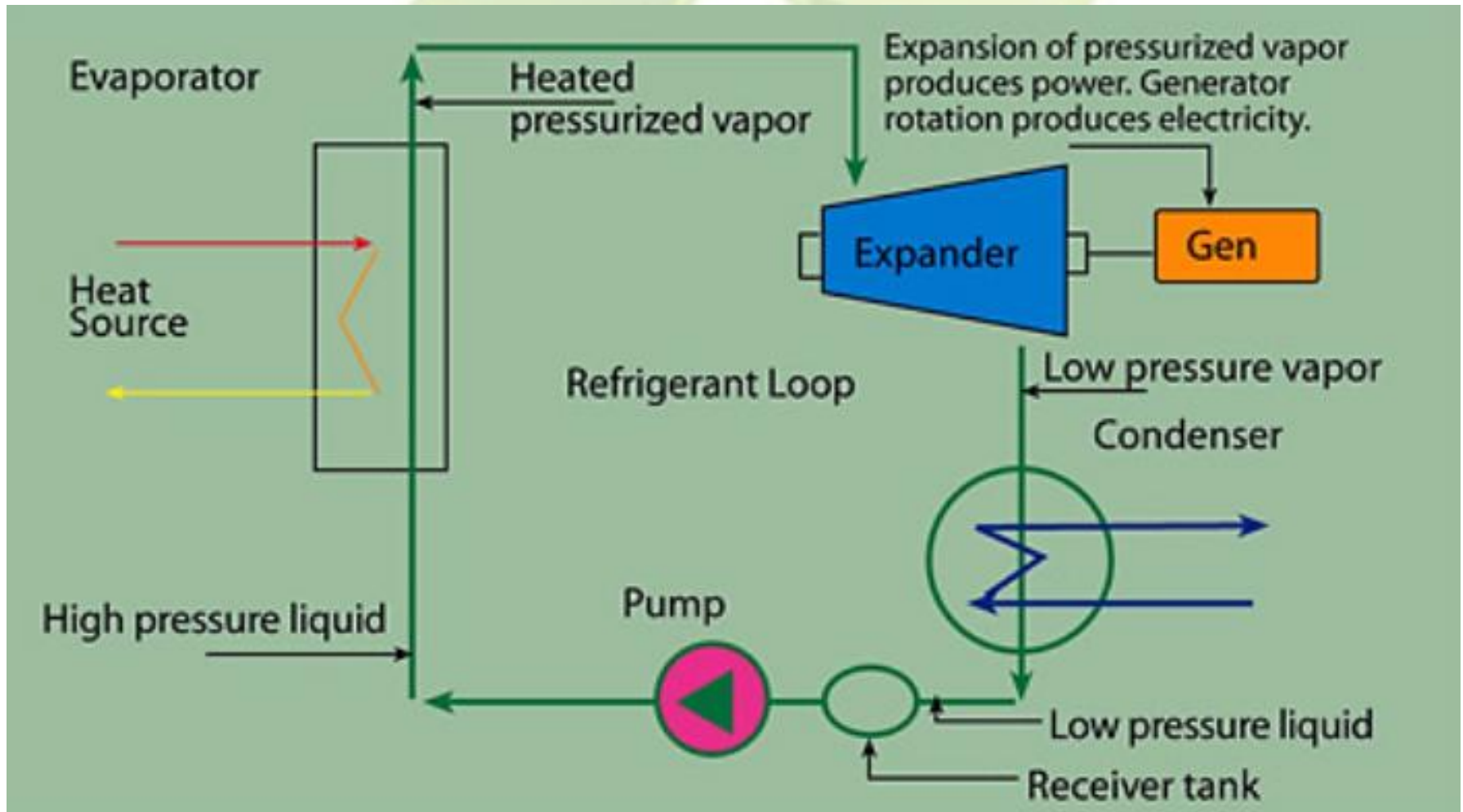


# Hydronic System Fuels

## ➤ Disaster Debris



# Hydronic System Cycle



# Potential Users



- **Agriculture Industry**
- **Municipal Solids Waste Sites**
- **Timber Industry**
- **Utility Companies**
- **Remote Military Bases**
- **Disaster Relief Agencies**

# Hydronic System Powering Greenhouse Operation



# Combined Heat and Power

- **Hydronic Technology Serves Users That Need Power**
- **Hydronic Technology Serves Users That Need Heat For Their Process**
- **Hydronic Technology Serves Users That Need Both Heat and Power For Their Process**
- **Very Efficient System Use**

# **Hydronic Technology for Agriculture**

- **Provides Both Heat And Power**
- **Creates Electricity Used On-Site And/Or For Income**
- **Heat For Animals Or Greenhouse Operations**
- **Boiled Water For Local Use – Kills Organisms**
- **Provides Electricity Independence**
- **Advances Developing World**
- **Can Be Combined With Biodiesel Plants For Operational Savings**

# Hydronic System Specifications

- **Processes 8 Tons Of Fuel Per Day**
- **Scalable - Produces UpTo 250 Kilowatts per Hour in 50 kw Increments**
- **Recirculates 150 Gallons Of 250 Degree F Water Per Minute**
- **Very Low Maintenance**
- **Entry Level Personnel May Operate The System. Very Short Learning Curve**

# Hydronic System Helping The Environment

- **For every 1 Ton of Agriculture or Landfill Waste Burned In Open Air Circumstances, Approximately 1 Ton of CO<sub>2</sub> Is Released Into the Atmosphere**
- **By Implementing Just One 50 Kw/h Hydronic Unit, The Reduction Of CO<sub>2</sub> Into The Atmosphere Is Approximately 2,848 Tons**





**Thank You**