

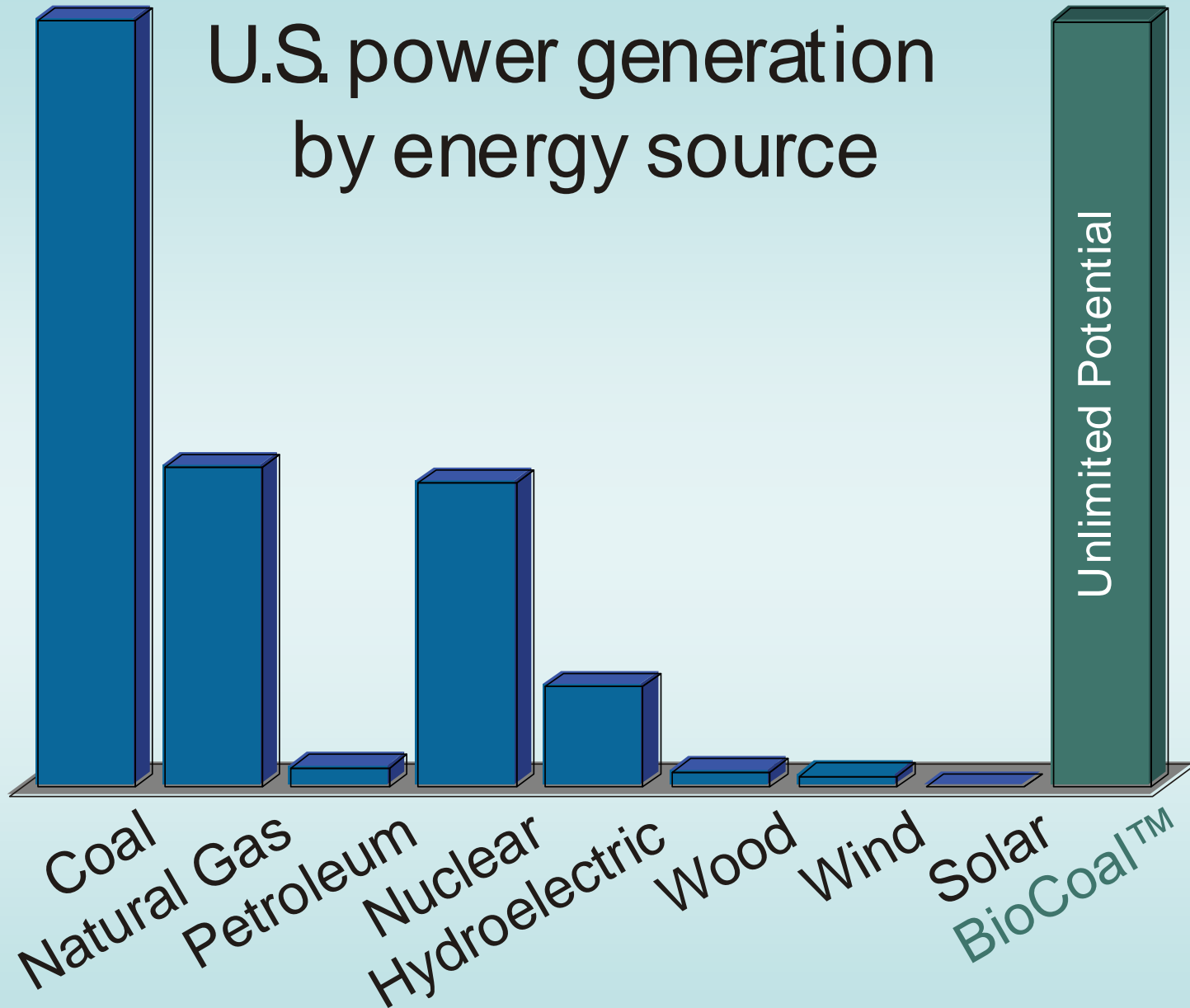
BioCoal Fuel

New Biomass Processing Method and Apparatus Create Optimum Fuel for Power Generation

- Immediate Solution
- Low Cost
- Carbon Offset
- Easy to Produce
- Clean Burning
- Carbon Dioxide Neutral
- Renewable Energy Fuel
- The most useful form of the sun's energy



U.S. power generation by energy source



Source: DOE "Electric Power Monthly"

Renewable Energy

Coal

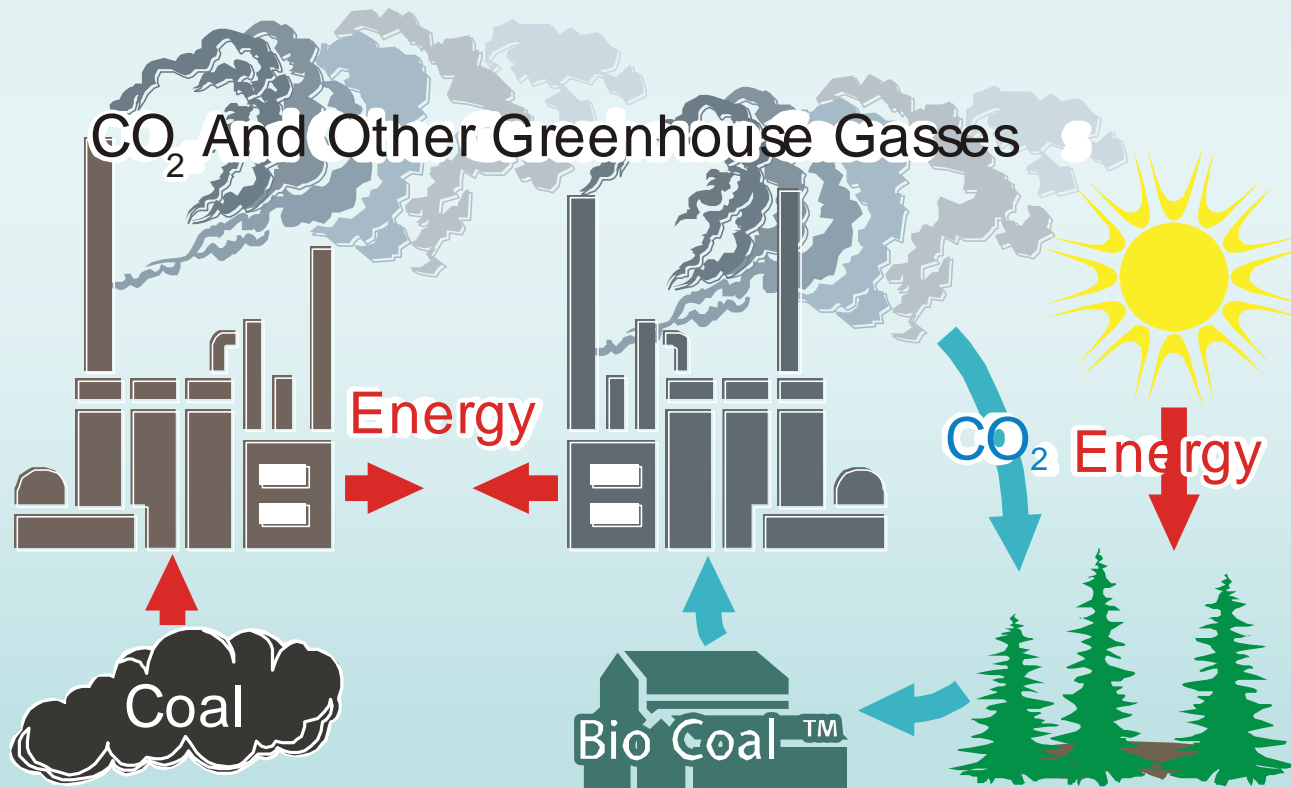
100% Added

Greenhouse Gasses

BioCoal™ Fuel

100% Carbon Neutral

No Greenhouse Gasses



Energy Crops

- Switchgrass
 - High energy output to input ratio
 - High energy yield
 - Can be converted to BioCoal
- New Sources

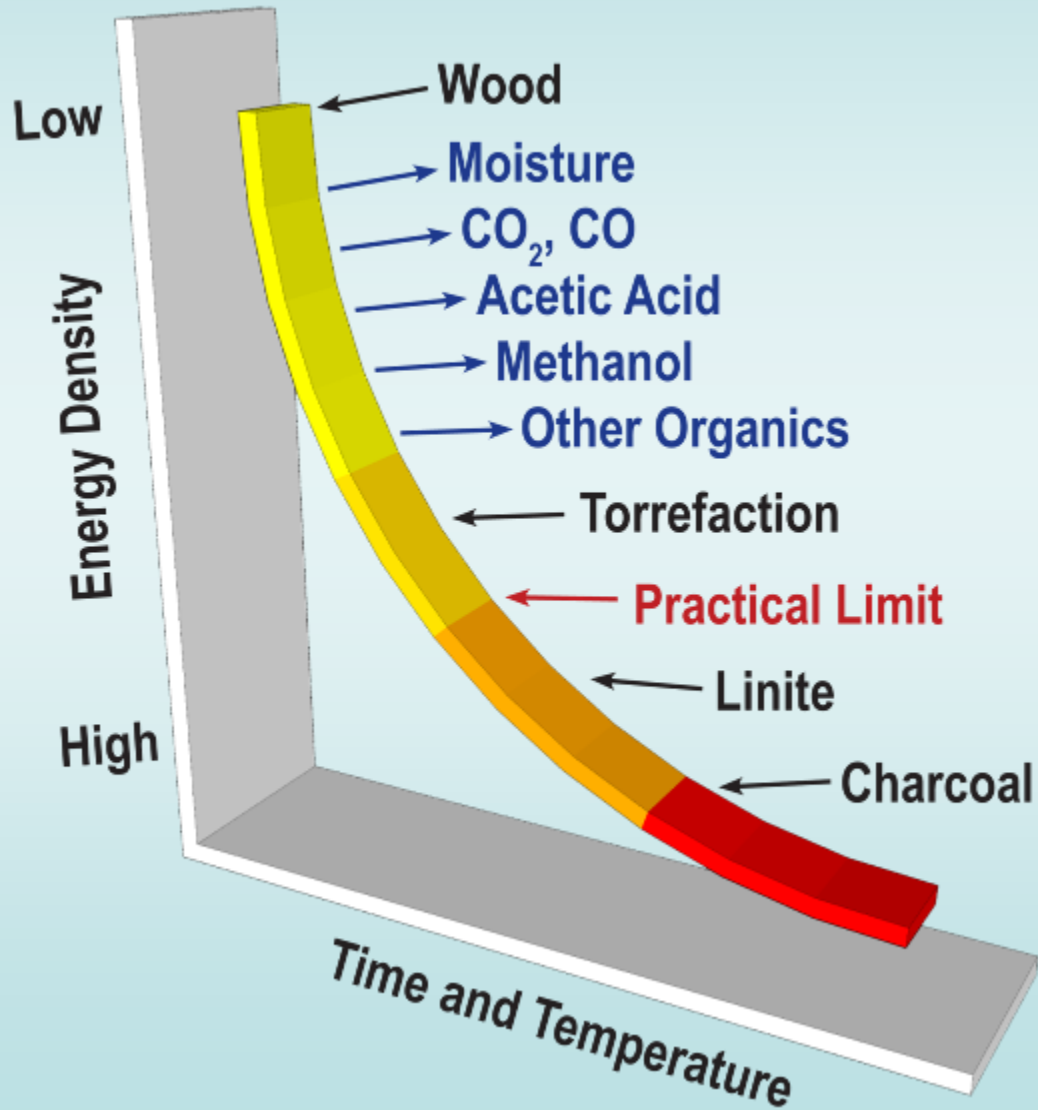


Wood Burning

- High moisture content and VOC's
- Incomplete Combustion
- Air Pollution



Effects Of Heating



- Removes moisture
- Removes VOCs
- Improves Combustion
- Burns Cleaner

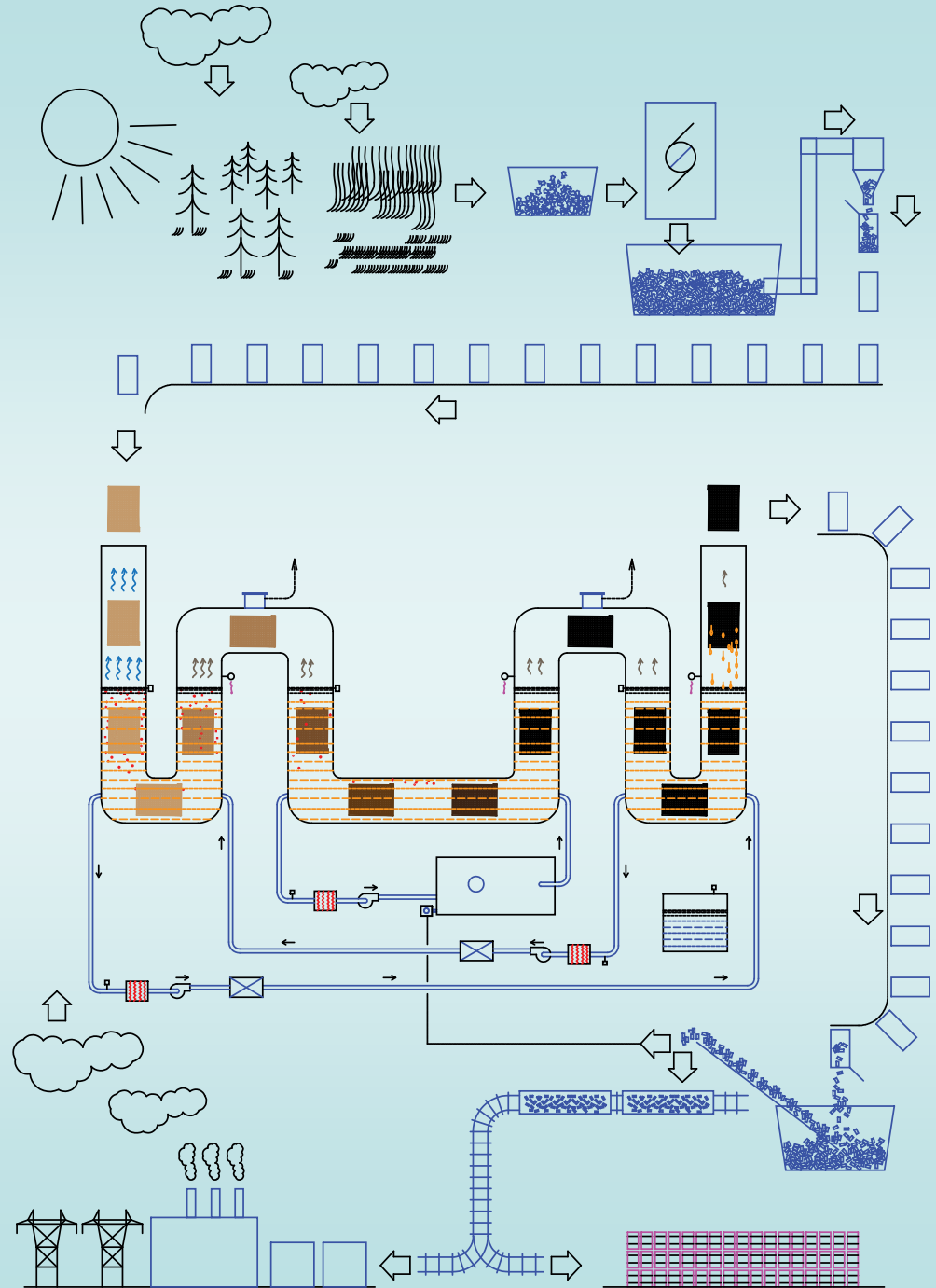
BioCoal

- Enhanced Torrefied Wood
- New Processing Method
- Low Cost
- Uniform
- Hydrophobic
- Clean Burning
- 10,000 Btu/Lb

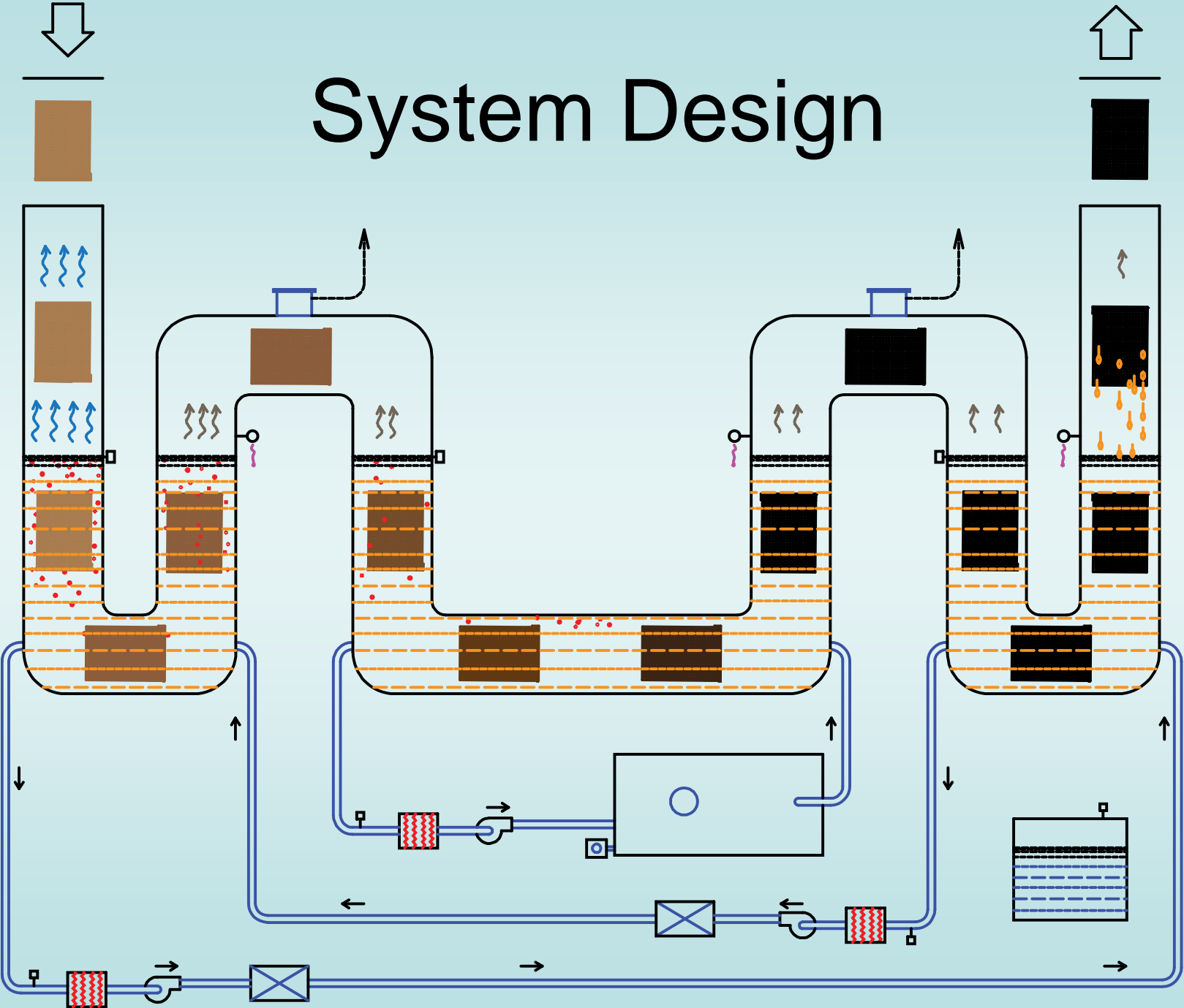


A New Process

- Conduction
- Heat Transfer Fluid
- Conveyor System



System Design



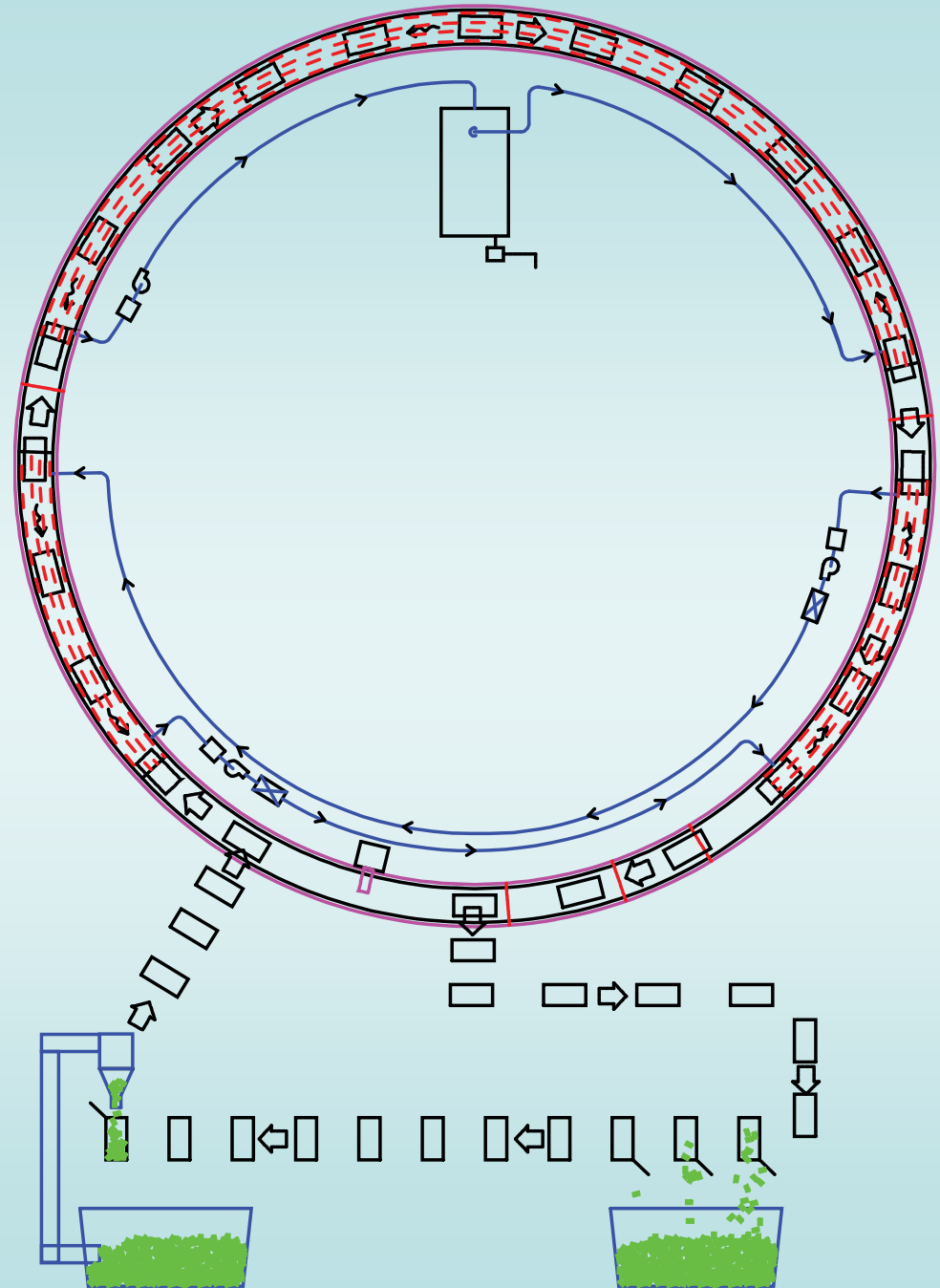
Advantages

- Co-fires with coal
- Replaces coal
- Ideal carbon offset: stores for years without degrading
- Concentrated clean energy
- Immediate Solution
- Low Cost
- Carbon Offset
- Easy to Produce
- Clean Burning
- Carbon Dioxide Neutral
- Renewable Energy Fuel



BioCoal Processing Facility

- One ton per minute
- 1,440 tons per day



BioCoal Fuel

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