



Community Power Innovations[®]
Transforming Matters

cpienergy.com

Copyright © 2010 CPI

About Us

CPI Partners

John Villarreal

- Principal CPI Energy LLC

Peter Mestousis

- Principal CPI Energy LLC

James P. Mapes Sr. (Jim)

- Principal CPI Energy LLC

Blake Reynolds

- Principal CPI Energy LLC

Michael W. Allen

- President, Providence Energy Corporation

Mike Childers

- Advisor, CPI Energy LLC

Don Fullerton, Shawn Bliss, Brad Davis

- Advisor, CPI Energy LLC



Resource Stewardship

- Natural Resources
- Human Resources
- Financial Resources

Biologists
Environmental Engineers
Community Leaders
Planners
Civil Engineers
Economists
Landscape Architects
Architects
Mechanical Engineers
Ceramic Engineers
Graphic Designers
Structural Engineers
Chemical Engineers
Business Leaders
Transportation Planners



National Standard Finance, LLC

and its managed entities
comprise a leading public/
private investment
management company



healthcare operators



government agencies

VIESTE specializes in managing
capital projects utilizing a public/
private delivery model



energy providers

Financial Resources

National Standard Finance has provided a Phase One commitment of up to \$2 billion to CPI.

VIESTE, LLC, a capital program management and Public Private Partnership firm, functions as investor's representative and program manager to National Standard Finance





Community Power Innovations®
Transforming Matters

Focused on finding
responsible solutions
for creating sustainable
communities





Community Power Innovations®
Transforming Matters

Transforming Energy
Environment
Education
Community

Transforming Matters



CPI's Process and Ethic



- Enhancing Education
- Economic Development
- Renewable Energy including Pathfinder Wind
- Community Initiatives
- Natural Resource Mgmt.
- Neighborhood Stabilization Program (NSP)
- LEED Principles
- Community Health Systems
- Public Service
- Charitable Initiatives



CPI's Process and Ethic



Community Master Planning

Resource Inventory & Benefits Analysis



Needs, Regional & Community Assessment



Community & Stakeholder Engagement



Identification of Targeted Initiatives



Design & Permitting



Construction



Implementation & Benefits Exchange





U.S. Electricity Production

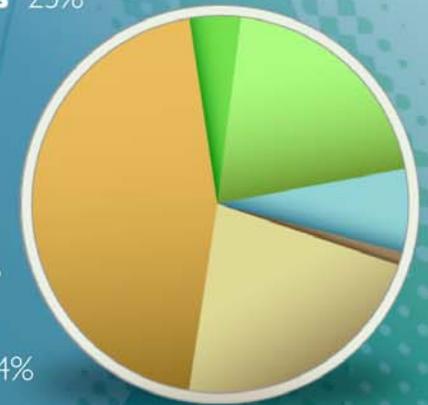
Fossil Fuels

- Coal 45%
- Natural Gas 23%
- Oil 1%

Non-Fossil Fuels

- Nuclear 20%
- Hydro 7%
- Renewable 4%

69%





Over **2**
United States
billion dollars
operating costs

135
Million
Tons
Annually
Nationwide

Landfills

Municipal Waste Disposal

- Cost of landfill operation
- Growing footprints
- Methane & CO₂ emissions
- Water quality issues
- Odor
- Artificial habitat sink
- Negative views



The Technology



CPI Solutions

A Better Solution

Concord Blue Reformer

1. Zero oxygen = No flame or combustion = No incineration

Heat transfer through ceramic balls

2. Zero Liquid Discharge (ZLD)

3. Operates at atmospheric pressure

4. CLEAN EMISSIONS



CPI Solutions

A Better Solution

Concord Blue Reformer



**NO
Combustion**

**Environmentally
Friendly**

EPA

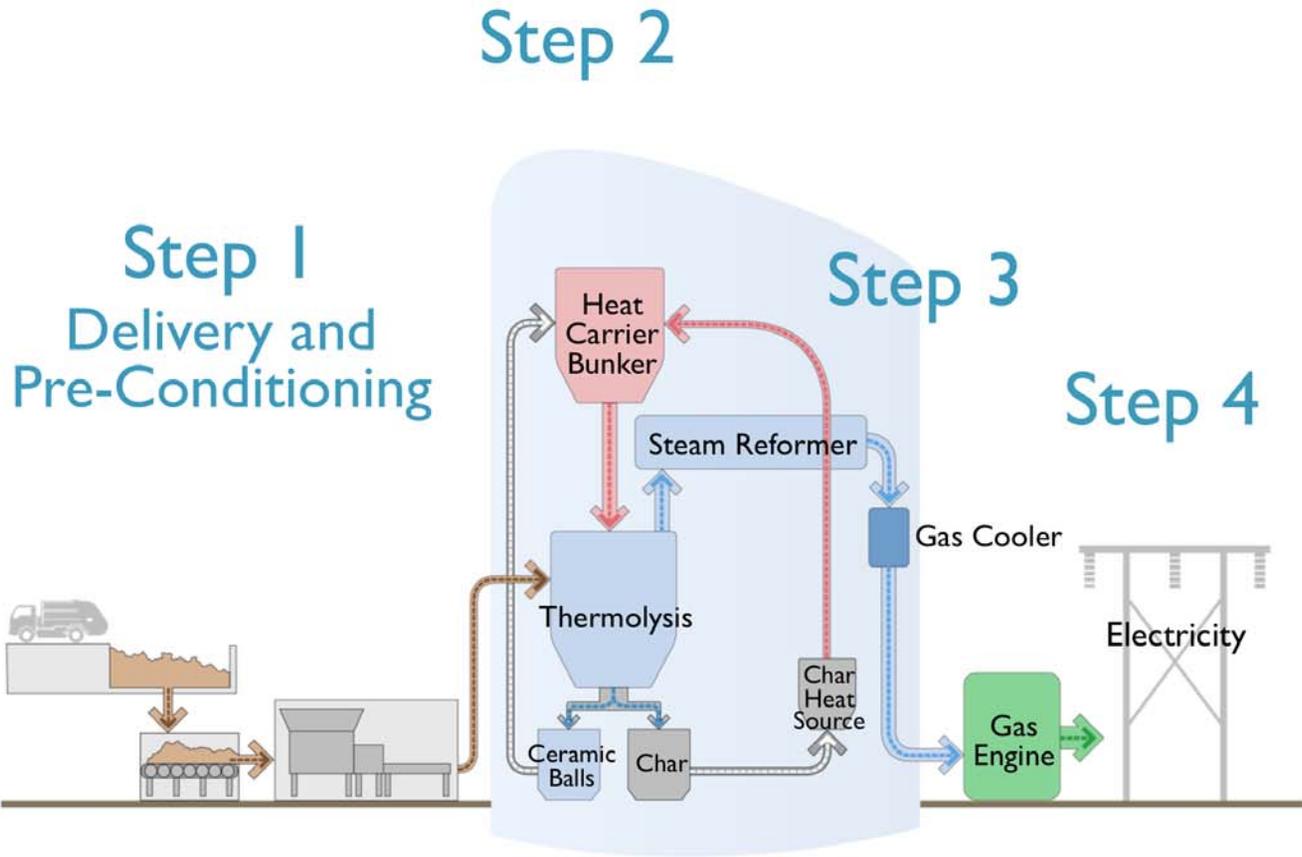
**Under
Limits**



Community Power Innovations

A Better Solution Concord Blue Reformer

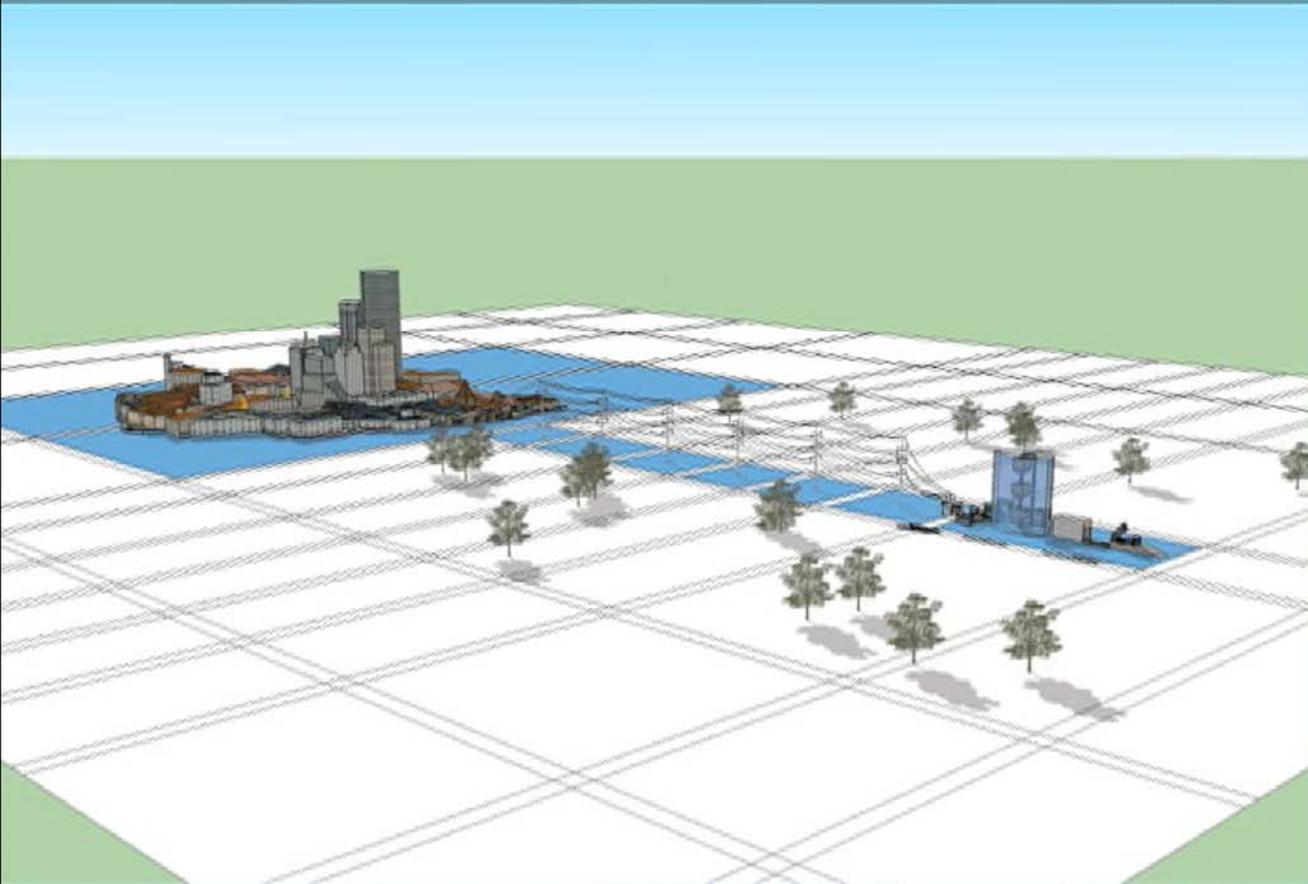
- 1. Delivery & Preconditioning
- 2. Thermolysis
 - a. Transformation
 - b. Sieved and Recycled
 - c. Heat Source
- 3. Steam Reformer
- 4. Gas Engine



CPI Solutions

A Better Solution

Concord Blue Reformer



Community Power Innovations

Proven Technology

5 Years of Technology Development and Pilot Projects

Herten, Germany

Demonstration Projects

*Germany
India
United States*

Underway, Planned and Under Construction Production Plants

• *Germany* • *India* • *United States*
• *Mexico* • *Japan* • *Caribbean*



CPI Solutions

Proven Technology

5 Years of
Technology
Development
and Pilot
Projects
Herten, Germany

Demonstration
Projects
*Germany
India
United States*

Underway, Planned and Under
Construction Production Plants
*• Germany • India • United States
• Mexico • Japan • Caribbean*



Prototypical Project
300,000
Tons/Yr

Concord Blue Reformer

1. Scalable to meet community needs
2. Reduction of landfill operation costs and increase longevity
3. Reduction of landfill gases



Reduction of
519 Tons
of Methane

Reduction of
1440 Tons
of CO₂



CPI Solutions



Equivalent to the
CO₂ capture of
1.5
Million Trees

Annual Reduction of
430,000 TONS of CO₂
vs. the use of fossil fuels

Equivalent to the
emissions of
42,000
automobiles



Prototypical Project

Concord Blue Reformer

Significantly lower emissions
than the equivalent
electricity produced from
fossil fuels



CPI Solutions

Prototypical Project

Concord Blue Reformer

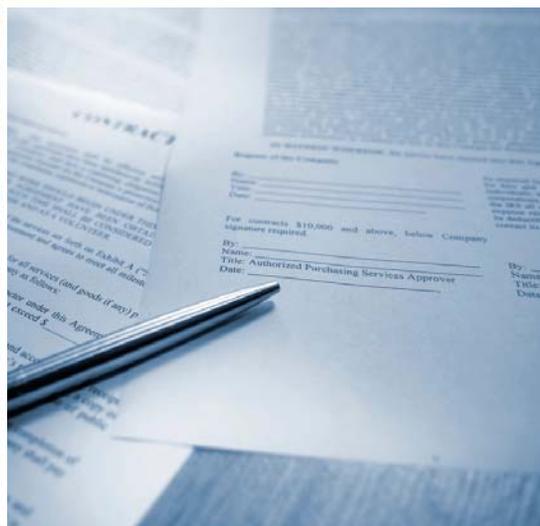


Electric Power for
25,000
Homes

300,000
Megawatt Hours
Annually



Community Power Innovations



Our Needs

1. 10 acre site contiguous to the landfill
2. Waste Disposal Agreement (20 year commitment)
3. Power Purchase Agreement
4. Move forward together

...of course we would like to dispose of some of your trash



Our Process Matters

Work Streams



CPI Initiatives

Transforming Energy

- Leveraging Technology
- Maximizing Efficiencies
- Promoting Renewable Energy
- Exploring Multiple Solutions



CPI Initiatives

Transforming Environment

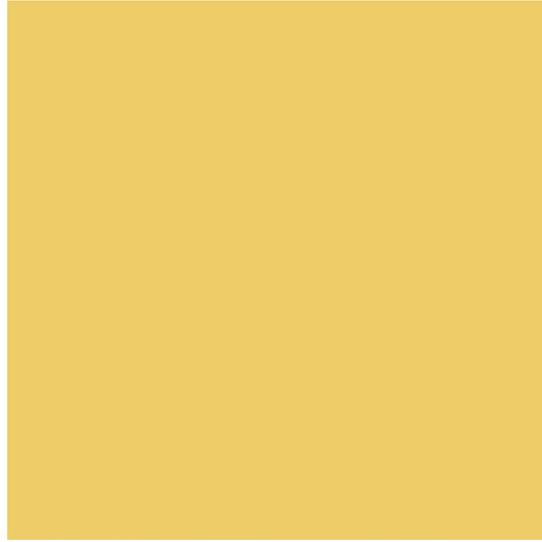
- Cleaner Air Emissions = Healthy Neighborhoods
- Enhancement of Natural Systems
- Water Resource Protection



CPI Initiatives

Transforming Education

- Collaboration with colleges and universities
- Programming with local schools
- Learning center for sustainable living



CPI Initiative

Transforming Communities



- Upwards of 50 local construction jobs and 12-18 permanent jobs
- New Ad Valorem taxes on \$200 million asset
- All capital costs paid by CPI
- Leveraging and enhancing the local economy





Community Power Innovations®

Transforming Matters

cpienergy.com

