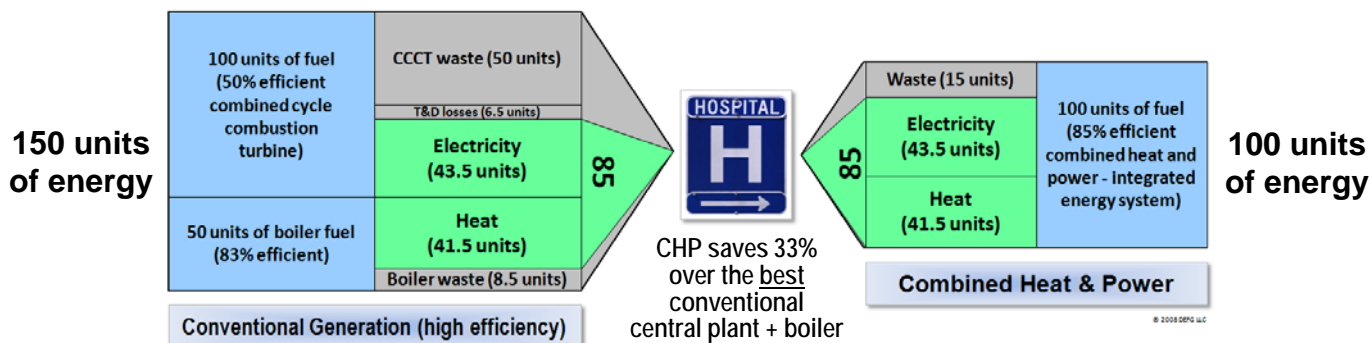


# Texas CHP Initiative

## Combined Heat & Power – Technical Benefits / Policy Choices



Texas has a long and successful history with combined heat and power. Texas has ~18,000 megawatts of CHP capacity and ranks #1 in the nation in recycling waste heat. Also known as cogeneration, CHP can double its benefits to Texas in the future if appropriate public policies are combined with better education. The Texas CHP Initiative is focused on the 81<sup>st</sup> Session of the Texas Legislature.

## TXCHPI – 2009 Legislative Agenda

The State of Texas should adopt the following policies to assure greater implementation of energy efficiency:

### ✓ Encourage energy efficient technologies in Texas

1. A market-based Energy Efficiency Resource Standard (EERS) encourages greater adoption of broad-based energy efficient technologies; allows trading of “EE certificates” (like successful “REC” trading)
2. An enhanced Energy Efficiency Incentive Program (EEIP) would remain PUCT administered

### ✓ Promote consistent clean air policies for prime movers in Texas

3. Harmonizing air quality rules for all natural gas engines, combustion turbines, and fuel cells (prime movers) should be a goal of the Texas Commission on Environmental Quality (TCEQ)

### ✓ Promote energy security in critical buildings and infrastructure

4. High levels of energy security in critical government buildings and infrastructure will ensure public safety, medical care, food preparation and storage, shelter, and communications during emergencies

### ✓ Promote the adoption of energy efficient technologies through education and outreach

5. Consumer education related to energy efficient technology adoption will facilitate market development

## TXCHPI Members

Members as of November 2008:

- American Heat and Power, LLC
- Arup Texas
- Austin Energy
- Bocci Engineering, LLC
- CCRD Partners
- CoServ Gas, Ltd.

- Denton Municipal Electric
- Distributed Energy Financial Group, LLC
- Gas Technology Institute
- Houston Advanced Research Center
- H.M.R. Consultants
- Integral Power, LLC
- Kawasaki Gas Turbines-Americas

- Primenergy, LLC
- RobustEnergy
- Siemens Industrial Power Generation
- Solar Turbines
- Thermal Energy Corp. (TECO)
- Tommy John Engineering, Inc.
- Turbine Air Systems (TAS)

## About the Texas CHP Initiative

The Texas CHP Initiative champions combined heat & power (CHP) as the most effective, economical, and environmentally-sensible energy option for Texas. The Texas CHP Initiative is an industry-led group that include manufacturers, suppliers, project developers, financial institutions, fuel suppliers, retail electric providers and electricity consumers. The Texas CHP Initiative registered as a 503(c)(6) organization with the Texas Secretary of State on 1/10/2007.

Join: <http://www.texaschpi.org/content/join/join.asp>.



Contact: Rich Herweck, Executive Director  
(972) 979-4737 [herweck@texaschpi.org](mailto:herweck@texaschpi.org)

[www.texaschpi.org](http://www.texaschpi.org)

# Texas CHP Initiative

## Combined Heat & Power – Multiple Benefits

### Clean Energy Option



- Carbon dioxide (CO<sub>2</sub>): reduce 40%
- Sulfur dioxide (SO<sub>2</sub>): reduce 99%
- Nitrous oxides (NO<sub>x</sub>): reduce 98%
- Water: reduce 99%
- Heat: capture, recycle, reuse

### Local Development

- Good local jobs for Texans
- Energy park / district energy concept
- Supports competitiveness
- Provides new choice to businesses



### Reliable & Secure

- Independent from grid
- Multiple backup sources
- Self generation 24x7
- Power to emergency centers and critical infrastructure



### Energy Efficient



- Uses proven technologies
- Uses waste or renewable fuels
- Complements other energy efficiency measures
- Manages energy price risk (physical hedge)

### Join the Texas CHP Initiative

The Texas CHP Initiative is an industry-led group that includes manufacturers, suppliers, project developers, financial institutions, fuel suppliers, retail electric providers and electricity consumers. Join: <http://www.texaschpi.org/content/join/join.asp>.

Mission: Champion CHP as the most effective, economical, and environmentally-sensible energy option for Texas.

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