

# Supporting CHP Applications in Illinois

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# Benefits of CHP

## *High Efficiency, On-Site Generation Means ...*

- . Improved Reliability
- . Lower Energy Costs
- . Better Power Quality
- . Lower Emissions (including CO<sub>2</sub>)
- **Conserve Natural Resources**
- **Support Grid Infrastructure**
  - Fewer T&D Constraints
  - Defer Costly Grid Upgrades
  - **Price Stability**
- **Facilitates Deployment of New Clean Energy Technologies**
- **Enhances Competition**

# Working Together In The Midwest

## Alliance

### Midwest CHP Initiative

- 7 State Energy Offices
- 2 State Commissions
- 3 Utilities
- DOE / EPA
- 7 Not-for-Profits

## Trade Association

### Midwest Cogen. Assoc.

*(Over 150 Members)*

- Engineering Firms
- Manufacturers
- Owners / Operators
- Utilities

## DOE Regional Center

### Midwest CHP Application Center

Partnership Between

University of Illinois at Chicago

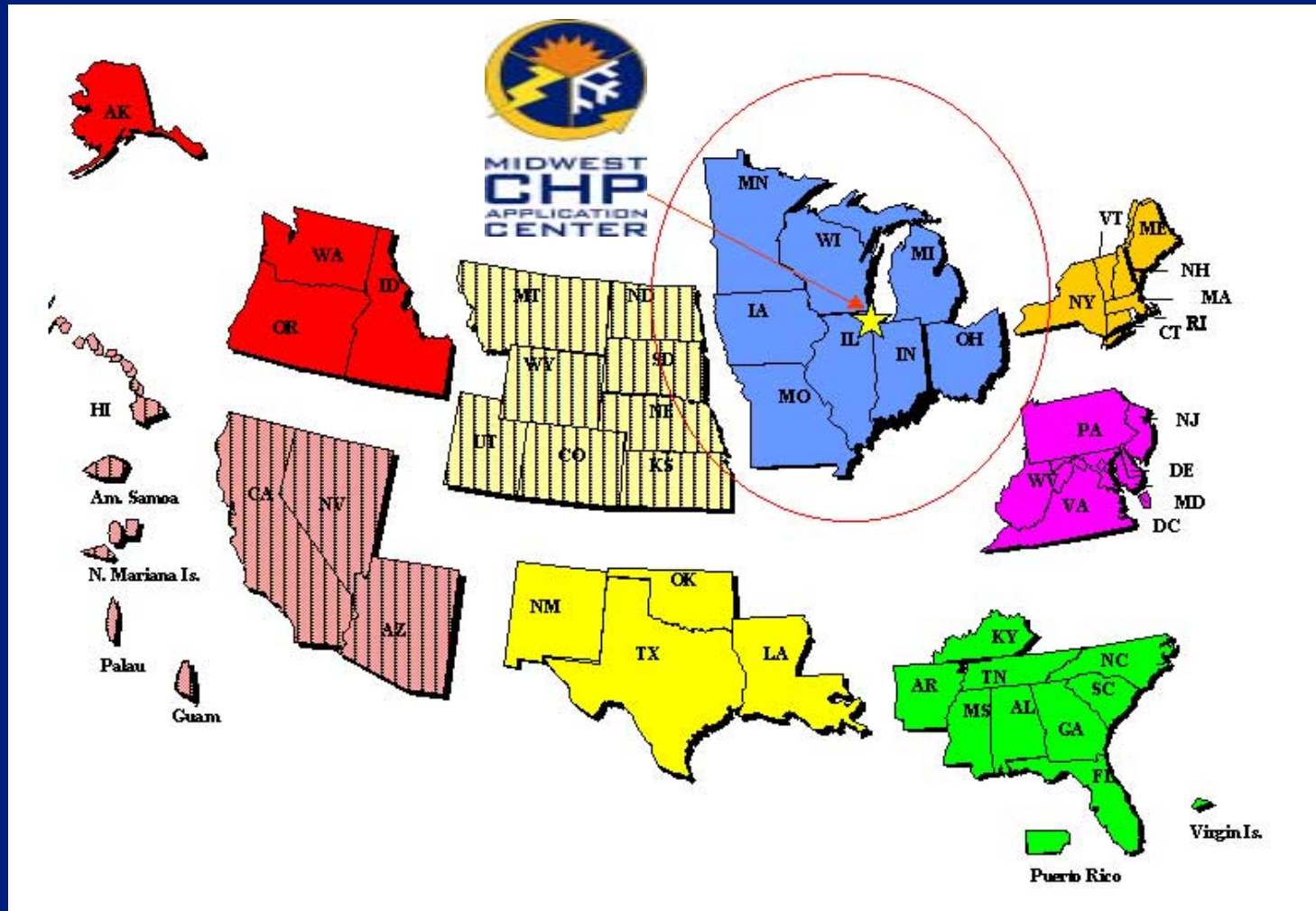
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Gas Technology Institute

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# Midwest CHP Application Center



# Midwest CHP Application Center

“The MAC”

## Mission:

**Develop Technology Application Knowledge and the Educational Infrastructure Necessary to:**

- **Reduce Perceived Risks**
- **Foster CHP for Buildings as a Viable:**
  - » **Technical and Financial Option**
  - » **Energy and Environmental Option**

## Focus: *(Foster Project Identification)*

- **Education**
- **Information**
- **Project Assistance**



# CHP Target Audience

- **Building/Facility Owners/Operators**
- **Architects/Engineers**
- **State/Local Officials**
  - **Energy Offices**
  - **Utility Commissions**
  - **Regulators (General Assembly)**

# MAC Activities

## Education:

### CHP Training Course

- Practical Rules-of-Thumb
- Concept and Technologies
- Where Does CHP Make Sense and Why
- First Level Screening

### Targeted Education (*Hospitals – March 2003*)

- 100 Acute Care Hospitals  
(*Chicago and Northern Illinois*)
- Target Financial Administrators and Facility Managers
- Objective is Individual Site Evaluations
- Identify Financial Tools Available

# MAC Activities

## **Education:** *(continued)*

### **Midwest CHP Application Website**

- **[www.CHPCenterMW.org](http://www.CHPCenterMW.org)**
- **Addresses State Level Information**
- **Over 20,000 Hits per Month**
- **Linked to National CHP Site ([www.CHPB.net](http://www.CHPB.net))**



# MAC Activities

## Information:

### Developed Illinois Permitting Guidebook

- Roadmap of Permitting Process
- Permitting Issues (Survey and Dialogue)
- Available soon on Website:  
[www.CHPCenterMW.org](http://www.CHPCenterMW.org)

### Baseline Analysis for the Illinois Market

- Initially Prepared August 2001
- Updated August 2002
- Contacts, Installations, Pricing Issues, Policy Issues, and Market Potential
- Available on Website:  
[www.CHPCenterMW.org](http://www.CHPCenterMW.org)

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# MAC Activities

## Information: *(continued)*

### Case Studies

- Site Report / Case Study / Fact Sheet
- Reference Other Case Studies

# MAC Activities

## Technical Assistance / Support:

### Projects Underway / Completed

- College
- Airport
- Office Building
- Museum
- High School
- Hospital
- Industrial Plants
- Casino

### Services Rendered

- Site Screening
- Financial / Technical Analyses
- Technology Experts



# For Further Information

- **Midwest CHP Application Center**

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- **Midwest CHP Initiative & Application Center**

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[www.NEMW.org/USCHPA/regional.htm](http://www.NEMW.org/USCHPA/regional.htm)

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