

The Size of the Prize: Midwest Industrial Energy Efficiency Summit

Technical & Economic Potential Panel
CHP and WHR

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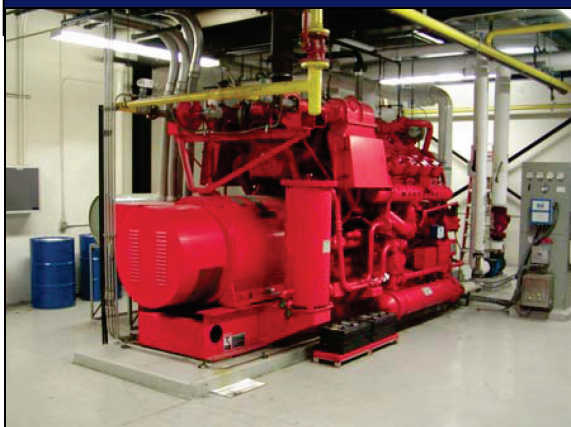
U.S. DEPARTMENT OF ENERGY

Midwest Clean Energy Application Center

Promoting CHP, District Energy, and Waste Heat Recovery

Combined Heat and Power Concepts (A Form of Energy Efficiency)

Conventional CHP



The sequential production of useful electric and thermal power from a single dedicated fuel source

Waste Heat to Power



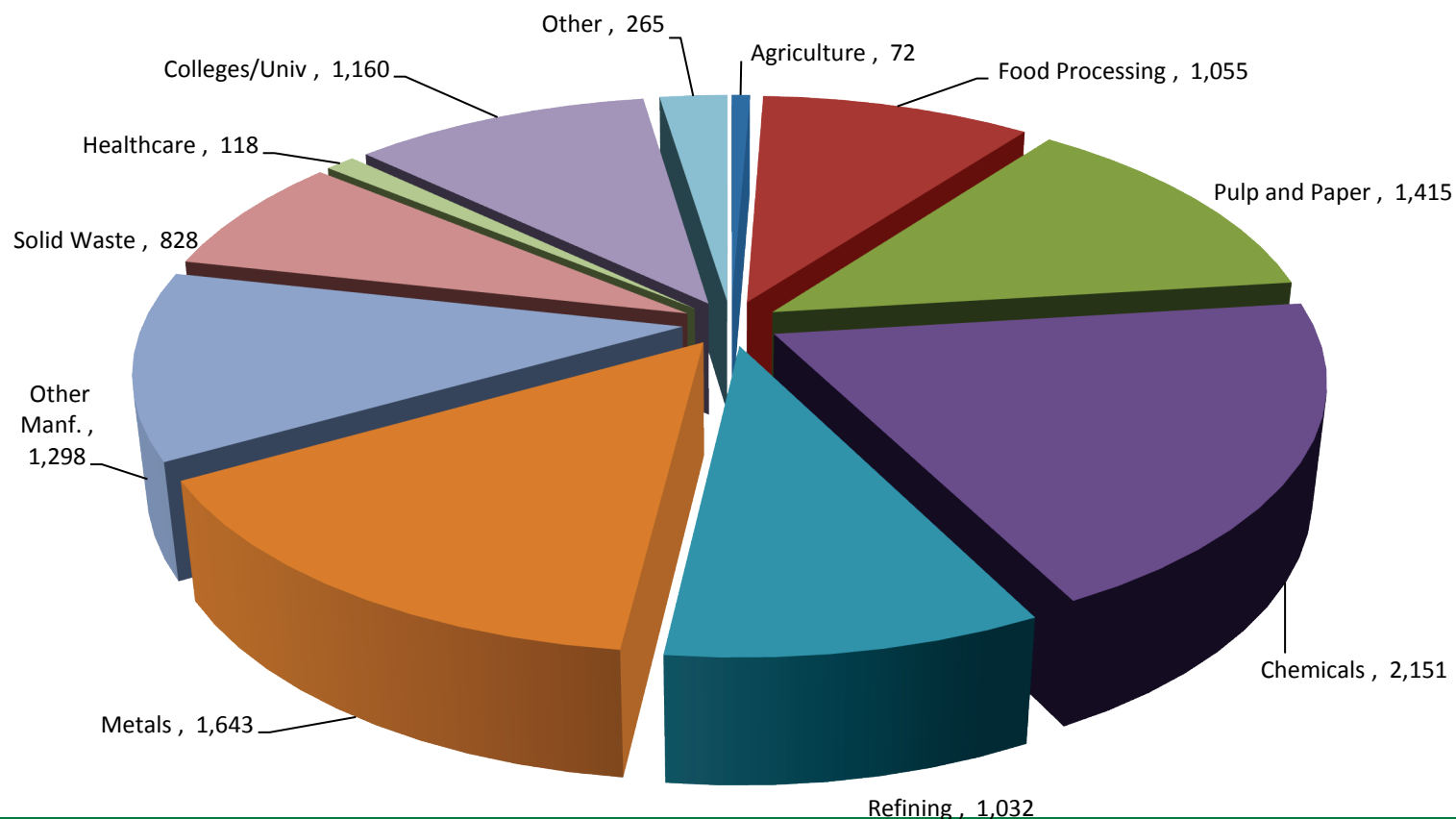
Captures heat otherwise wasted in an industrial / commercial process and utilizes it to produce electric power & useful heat.

Fuel Use Efficiencies of 70% to 80% Achievable

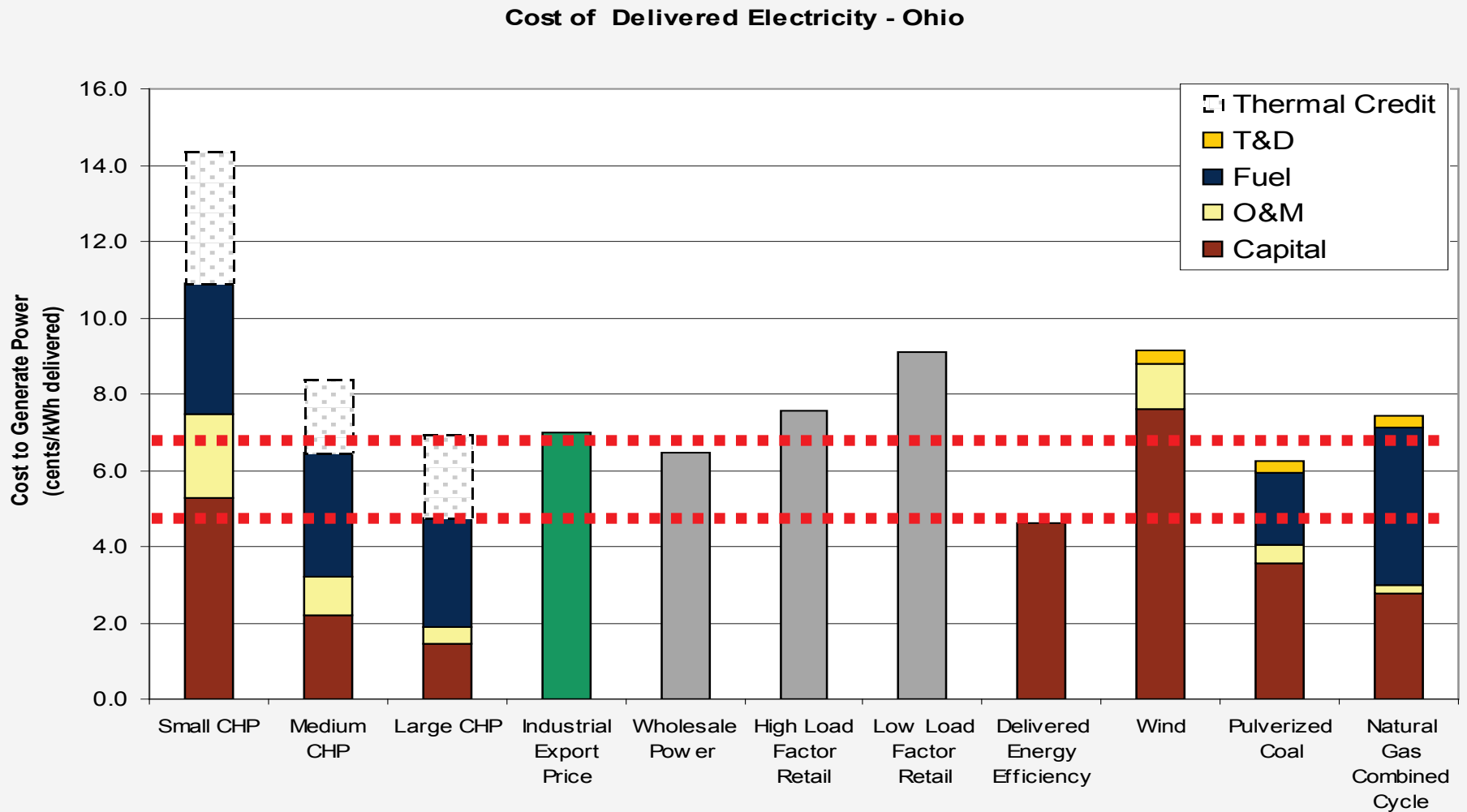


Snapshot Midwest

Midwest Installed CHP Generation Capacity by Market Sector (11,000 MW)



CHP Is a Cost-Effective Source of New Power (example shown for Ohio)

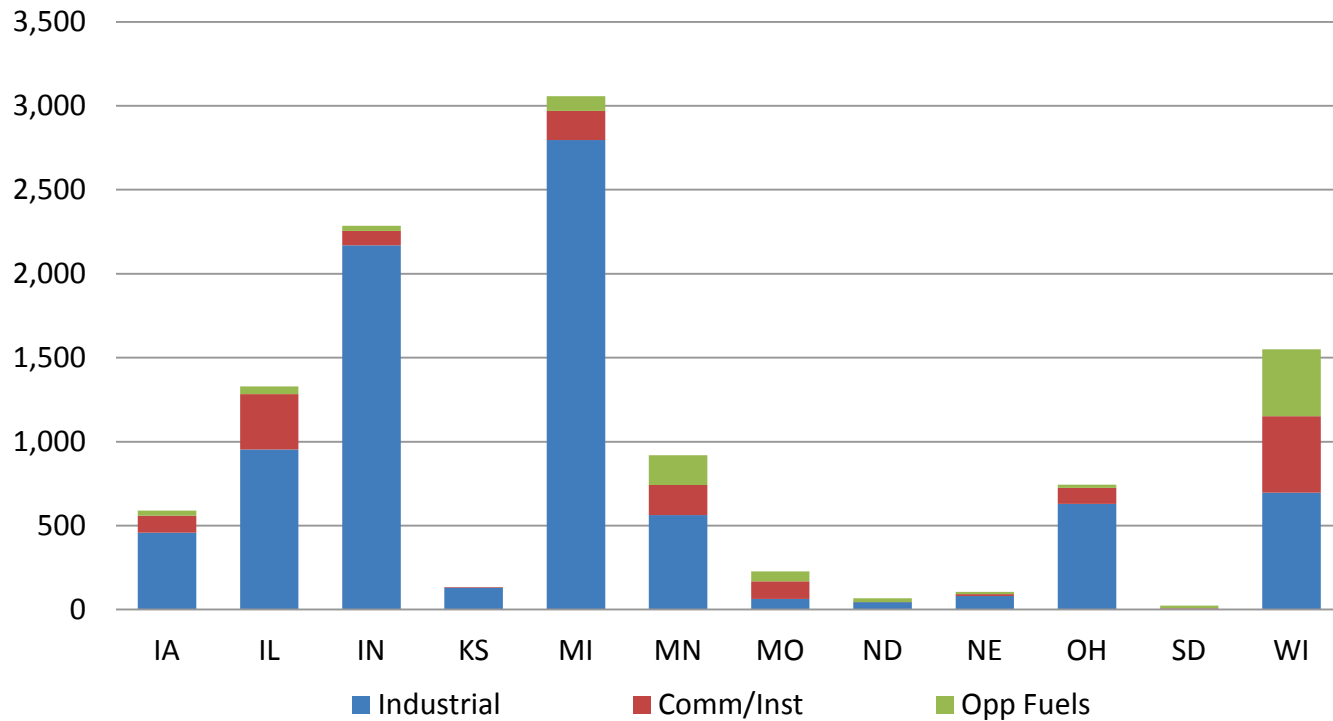


Snapshot Midwest

Midwest Installed CHP Capacity

Total: 11,000 MW

Industrial: 8,600 MW, Com/Inst.: 1,500 MW, Organic Waste: 900 MW

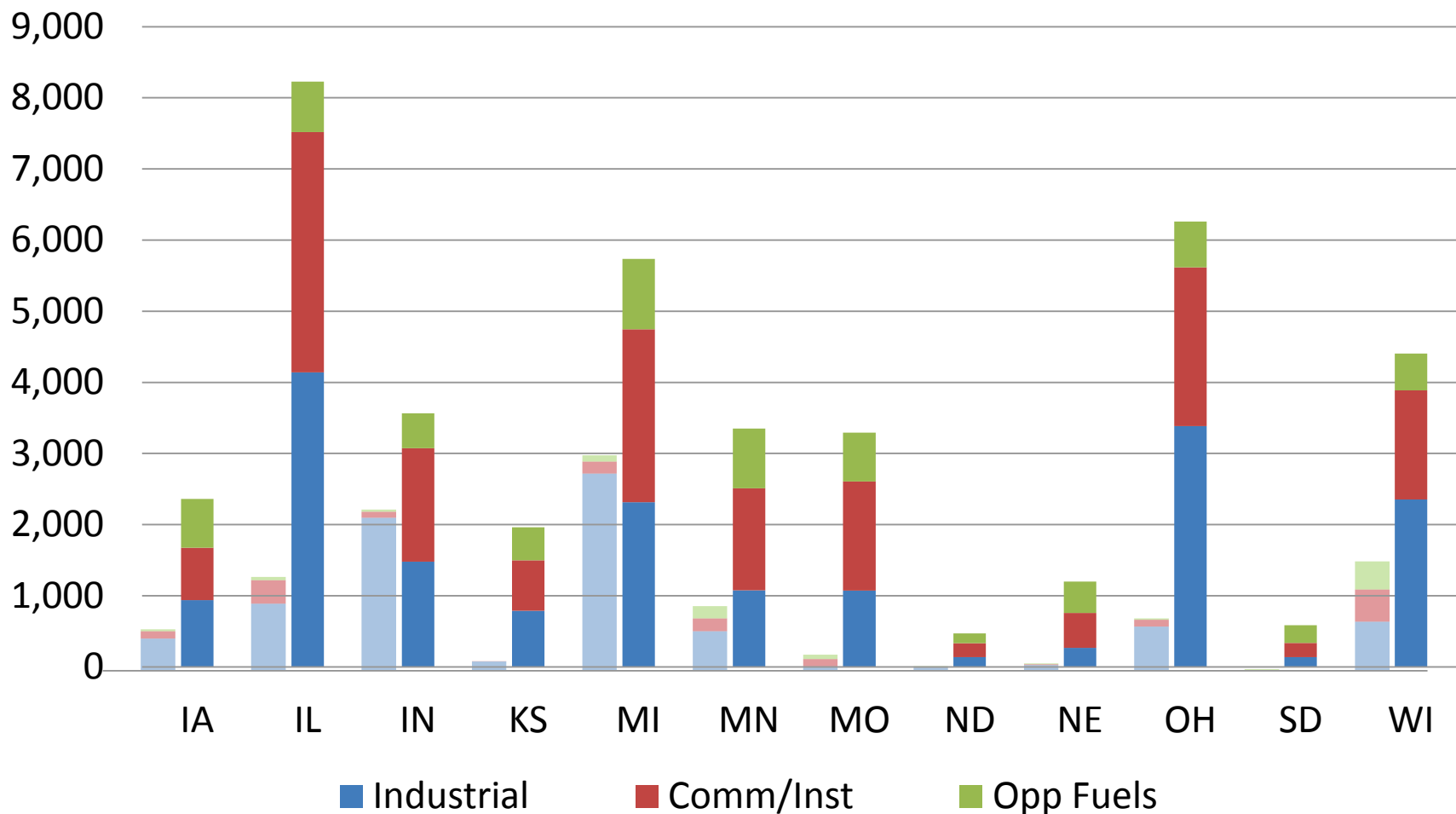


Snapshot Midwest

Installed vs. Technical Potential

11,000 MW

41,000 MW



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