



# **Biomass CHP Applications – Part 1 of 2**

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# EPA CHP Partnership

- Voluntary program that seeks to reduce the environmental impact of power generation by promoting the use of highly-efficient CHP
- Works with clean energy stakeholders from the private and public sectors to support the deployment of new CHP projects and to promote their energy, environmental, and economic benefits
- 3 Core Activities
  - Education & Outreach
  - Technical Assistance for CHP Projects
  - Public Recognition
- Through 2008, the CHPP has helped put into operation more than **410 CHP projects** representing **4,764 MW** of capacity, resulting in annual emission reductions of more than **11.8 million metric tons CO<sub>2</sub>e**

# Biomass CHP Tools & Resources

- **The Biomass CHP Catalog of Technologies**
  - Describes biomass resources, preparation, and performance characteristics of various technologies ([www.epa.gov/chp/basic/catalog.html](http://www.epa.gov/chp/basic/catalog.html))
- **The Opportunities and Resources for Biomass CHP Fact Sheet**
  - Describes the benefits of biomass CHP and key considerations for successful projects ([www.epa.gov/chp/basic/biomass\\_fs.html](http://www.epa.gov/chp/basic/biomass_fs.html))
- **Biomass to Biopower Diagram**
  - Graphically outlines how biomass is converted to biopower and demonstrates which industries can capitalize on opportunity fuels ([www.epa.gov/chp/documents/biomass\\_map.pdf](http://www.epa.gov/chp/documents/biomass_map.pdf))
- **The Opportunities and Benefits of CHP at Wastewater Treatment Facilities**
  - Highlights the benefits of CHP and provides engineering rules of thumb when considering CHP systems at a wastewater treatment facility ([www.epa.gov/chp/documents/chp\\_wwtf\\_opportunities.pdf](http://www.epa.gov/chp/documents/chp_wwtf_opportunities.pdf))
- **The CHP Emissions Calculator**
  - Compares the anticipated carbon dioxide (CO<sub>2</sub>), sulfur dioxide (SO<sub>2</sub>), and nitrogen oxide (NO<sub>x</sub>) emissions from a CHP system to the emissions from a comparable system that uses separate heat and power ([www.epa.gov/chp/basic/calculator.html](http://www.epa.gov/chp/basic/calculator.html))
- **Funding Database**
  - Lists of state and federal incentives applicable to CHP and biomass/biogas projects ([www.epa.gov/chp/funding/funding.html](http://www.epa.gov/chp/funding/funding.html))

# Contact Us

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