



**Co-Funded By:**  
U.S. Department of Energy  
through the Maryland Energy  
Administration

**Project Partners:**  
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University of Maryland  
Rutgers University

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## Potential for Combined Heat and Power Projects in West Virginia

### Project Summary:

The Maryland Energy Administration has established the Mid-Atlantic Regional Combined Heat and Power (CHP) Center at the Center for Environmental Energy Engineering, University of Maryland College Park. The University of Maryland will work in collaboration with Rutgers University (New Jersey) and West Virginia University to promote CHP in their respective states. The work proposed under this award will build upon the ongoing activities of the Mid-Atlantic Regional Combined Heat and Power Application Center (MAAC).

The purpose of WVU part of this project is to

- Develop a working group comprised of MAAC, West Virginia University, the Center for Advanced Energy Systems at Rutgers University, and other regional research institutions to develop specific guidelines for identifying and implementing CHP projects using opportunity fuels.
- Draft guidelines that address:

- Opportunity fuels that are available in this region and are covered by these guidelines.
- CHP technologies that can be employed to utilize these opportunity fuels.
- State agencies that address energy, environmental, agricultural, or other issues that will arise in developing these projects and contacts within each of these agencies.
- State and Federal energy, environmental, agricultural, or other regulations that affect each type of opportunity fuel and permitting regulations pertaining to each.
- List of market and technology issues that may arise in opportunity fuel projects but normally are not encountered in conventional CHP projects along with recommended approach to dealing with each of these issues.
- Validate the guidelines by using them to support development and implementation of an opportunity fuel CHP project in this region. Revise guideline as needed and issue.