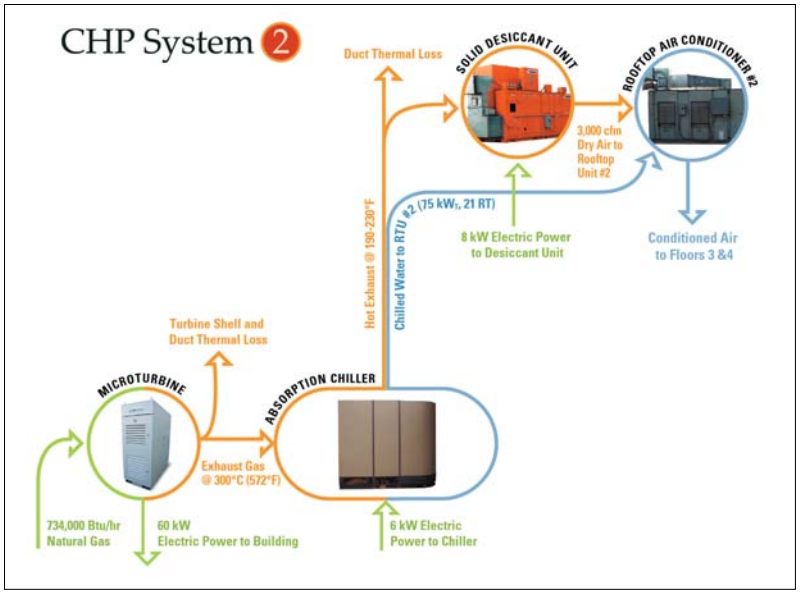
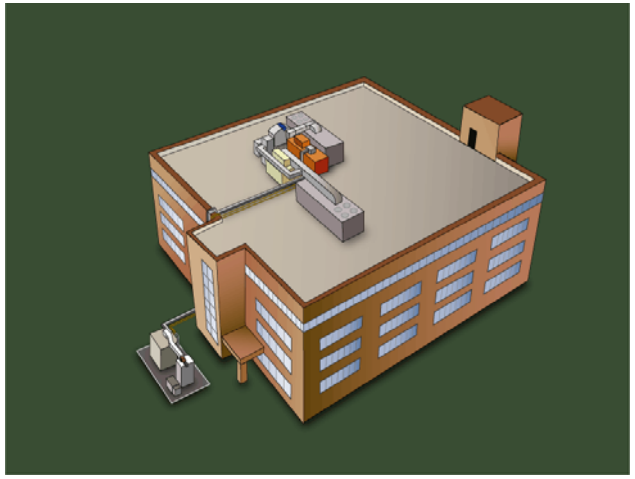
CENTER for ENVIRONMENTAL ENERGY ENGINEERING

## Program Objectives

- Investigate system integration challenges
- Measure integrated system performance
- Develop and verify system models and design tools
- Demonstrate advantages of CHP systems incorporating desiccant & absorption chillers
- Provide training and outreach




## Chesapeake Building



## Presentation Highlights

- Issues encountered / lessons learned
- System design details
- Microturbine testing results
- Building characteristics and load profiles
- Energy & cost savings for integrated systems (gen-set + liquid desiccant)
- Intelligent (neural net) controller test