



Combined Heat and Power Screening Tool for Multifamily Buildings

Norwalk, CT

There is approximately 600 MW of Combined Heat and Power (CHP) potential in New York State for multifamily buildings. A simple, effective screening tool could help identify multifamily buildings that have the technical potential to pursue CHP. The screening tool will be used by energy auditors and weatherization personnel, during routine inspection, to determine the building's potential. Traditionally, a site specific feasibility study is conducted, at the request of the building owner, by consulting engineers. The feasibility study tends to be expensive and is a significant market barrier for CHP deployment within the multifamily sector.

Steven Winter Associates (SWA) developed the Multicogen, an Excel-based screening tool to assess multifamily buildings CHP potential. The Multicogen was developed for Users with a basic understanding of buildings systems and provides a simple, effective way to determine CHP potential for multifamily buildings. The CHP screening tool would be an easy, quick, and inexpensive way to determine CHP potential and to increase CHP market penetration in multifamily buildings and educate building owners on the benefits of CHP.

Multicogen provides quick and easy reporting of CHP potential and recommends CHP system technical specifications based on User input of building characteristics and fuel usage. Throughout each data entry step the User can verify CHP viability with a unique screening status feature. The tool analyzes the cost effectiveness of installing an Internal Combustion engine or a microturbine based on building data and energy records. The calculation relies on industry-standard assumptions and formulas.

NYSERDA Contact: Joe Borowiec, ext. 3381
Buildings R&D – Distributed Generation as Combined Heat and Power

Benefits Include:

- Increase CHP penetration in NYS
- Potential reduction in energy consumption and costs
- Cost effective way to determine CHP potential

Results To Date:

- Project Complete in 2006
- Multicogen screening tool development successful



For more information about these services, contact NYSERDA
toll free 1-866-NYSERDA, locally (518) 862-1090,
or e-mail: info@nyserdera.org
www.nyserdera.org

