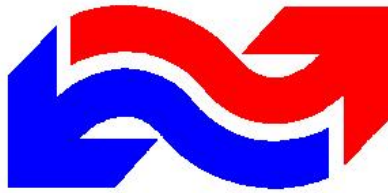


**A New Sustainable
Energy Infrastructure
for
Brattleboro**



DRAFT FOR COMMENT

March 2007 (Revised)

Updated versions of this plan plus related information are available at:

www.energy.rochester.edu/brattleboro

Comments and suggestions are welcomed and should be forwarded to:

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Hervey Scudder is a Brattleboro resident and a member of the Northeast Center for Social Issue Studies, which is also headquartered in Brattleboro, NECSIS was organized to empower citizens in dealing with the challenges that government and businesses could not satisfactorily resolve on their own.

NECSIS emphasizes local control and sustainable development as workable approaches to reconciling economic growth with environmental concerns. It works to provide local communities with resources and workable solutions to the problems faced in the emerging global economic system. Scudder has been especially concerned with the generation and distribution of energy in the Northeast.

Morris A. Pierce, PhD, is energy manager and adjunct assistant professor of history at the University of Rochester in Rochester, New York. He is a graduate of the US Military Academy at West Point and has thirty years of experience as a facilities and energy manager for large institutions. While at the University of Northern Colorado he assisted the development of a cogeneration project that provided free heat to the campus in exchange for a land lease for the plant. He has been with the University of Rochester since 1988 where he wrote his doctoral dissertation on the history of cogeneration and district heating while managing the University's energy needs. The University recently installed a 25 MW natural gas-fired combined heat and power plant and a low temperature hot water district heating system that will cogenerate about half of the University's annual electric requirements without using any more fuel than it previously used just to generate heating and cooling for the campus. This new system includes extensive metering and instrumentation to facilitate design of similar systems for other campuses and communities. Dr. Pierce is currently working to further reduce the University's carbon footprint by utilizing wood residues and energy crops as a fuel source, and is also working with several communities in New York to develop new biomass district energy systems, including one for the City of Buffalo. He has written numerous articles on district energy and local heat supply planning, as well as the history of these subjects, and also teaches courses on the History of Technology, Environment, and Energy at the University.

Dr. Pierce is active in the International District Heating Association and also works closely with other associations including Euroheat and Power in Brussels, the Combined Heat and Power Association in London, and the Danish Board of District Heating.

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