

Syracuse District Energy Study - Community Heat Pump Program

Brendan Hall, PE, BEMP, Senior Engineer, CHA Consulting

Chris Carrick, Energy Program Manager, Central New York Regional Planning and Development Board

ABSTRACT

CHA and the Central New York Regional Development board are performing a study as part of NYSERDA PON 4614 , on behalf of Onondaga County and the City of Syracuse, on the feasibility of a district energy system in downtown Syracuse. The system would recover heat from the nearby Metro Syracuse Wastewater Treatment Plant for use in building heat in the downtown area. Many building systems are currently compatible with this type of system and others can be retrofit to interface with this fossil fuel free system. Coordinating a potential with the I81 construction has further potential to extend the system at a lower cost. The presentation will cover the results of the study technical, economic and environmental impact that a system could have to the area.

BIOGRAPHY

Brendan Hall, PE, BEMP, is a Senior Engineer and General Mechanical Section Manager and has eleven years of mechanical engineering and project management experience. He has led the design, layout and control of high performance HVAC systems for commercial, manufacturing, higher-ed and K-12 facilities throughout the Northeast. Brendan is currently the technical lead for the three community heat pump projects awarded to CHA by NYSERDA.

Chris Carrick is the Energy Program Manager for the Central New York Regional Planning and Development Board, a public agency that serves Cayuga, Cortland, Madison, Onondaga and Oswego counties. In that capacity, he directs the HeatSmart

20th Annual New York State Green Building Conference

March 31 to April 28, 2022

<https://www.esf.edu/greenbuilding/>

CNY program, one of more than a dozen similar efforts across the state supported by NYSERDA which educates and helps customers to install clean heating and cooling systems including heat pumps.

20th Annual New York State Green Building Conference

March 31 to April 28, 2022

<https://www.esf.edu/greenbuilding/>