

September 23, 2013 | New York City

## Award of Excellence:

Municipal scheme serving less than 10,000 citizens





Fourth generation "Sunstore4" is a demonstration of 100% renewable district heating & cooling system

Produces 28,000 MWh annually at a consumer-owned cooperative to 1,550 consumers

Proves the economics and cost efficiency case for replication elsewhere

Integrates multiple technologies – solar thermal, biomass boiler, heat pump and seasonal pit storage

- •15,000 m<sup>2</sup> solar thermal
- 4 MW CHP using biomass (willow woodchips from crops) with ORC
- 1.5 MW thermal heat pump
- 75,000 m³ pit heat storage

Represents ongoing renewable technology development



## DISTRICT AWARD OF EXCELLENCE

Municipal Scheme Serving Less Than 10,000 Citizens

Sunstore4, Marstal, Denmark



September 23, 2013 | New York City, NY







Poput P. Shorta Robert Thornton President & CEO, IDEA



This is to certify that Sunstore4, Marstal, Denmark has been officially recognized by a team of international experts chaired by the International Energy Agency (IEA) Technology Network, for its outstanding achievement in demonstrating local District Energy leadership in providing clean, sustainable energy solutions to protect against the risk of climate change.



Robin Wiltshire, Technical Director, BRE Chair, IEA Implementing Agreement on District Heating & Cooling



Frederic Hug President, Euroheat & Power