

An aerial, black and white photograph of the New York City skyline, showing a dense cluster of skyscrapers and buildings along the coast, with the Hudson River and East River visible. The image is used as a background for the text.

3RD GLOBAL
DISTRICT
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CLIMATE
AWARDS

September 23 , 2013 | New York City

Award of Excellence:

Municipal scheme serving
more than 10,000 citizens –
Modernization

SAINT PAUL MINNESOTA USA





Formed from local leadership and collaborative public/private partnership - federal, state & local

In 1983, converted downtown network from steam to district hot water

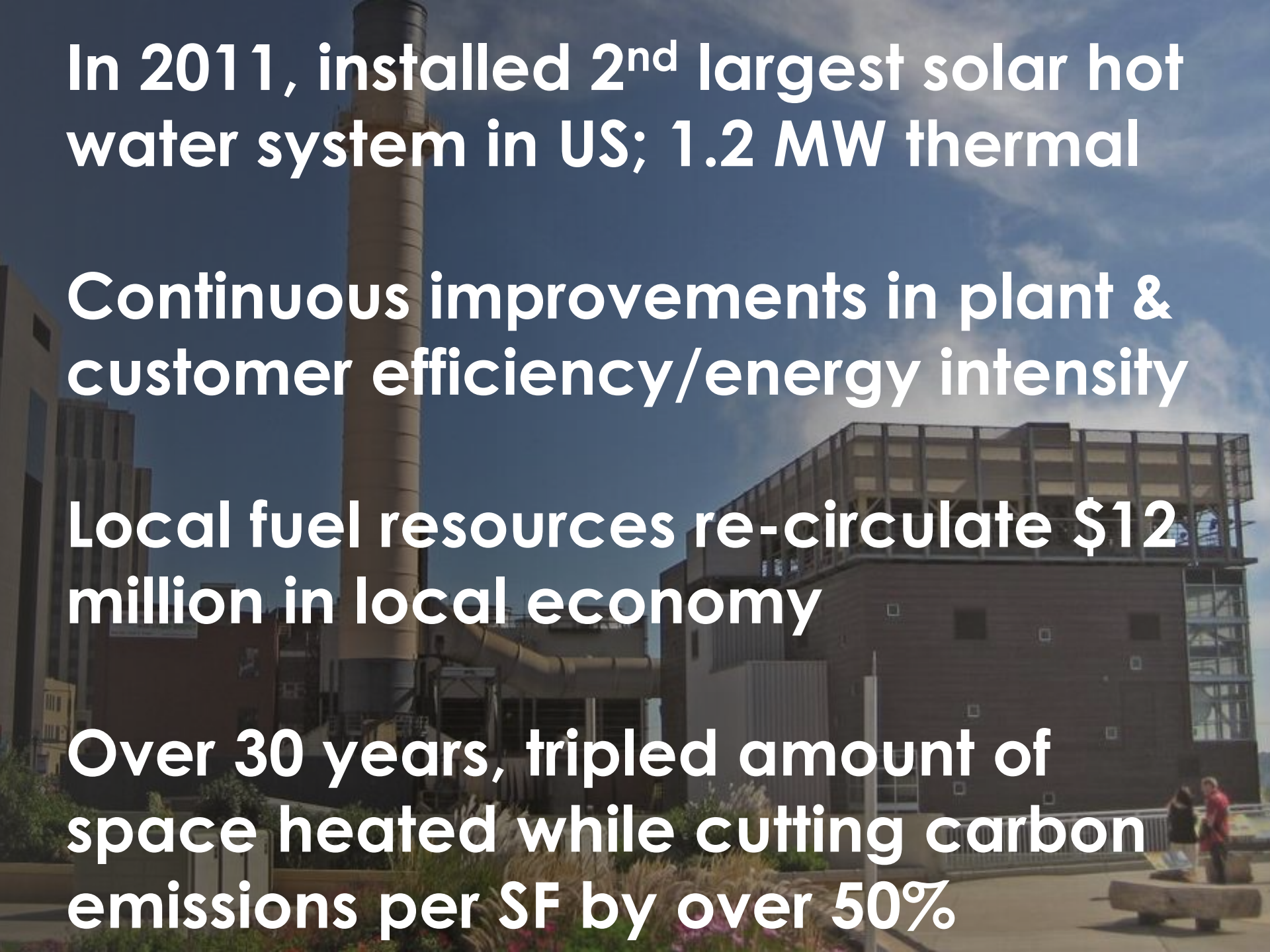
Today, serve twice number of buildings (200) with same amount of fuel at twice the efficiency – 32 million SF on district heating; 90% share

An aerial photograph of a large, multi-story brick building with a flat roof. The roof is covered with a dense array of blue solar panels. In the background, a city skyline with various skyscrapers is visible under a clear blue sky. The text is overlaid on the top half of the image.

In 1993, integrated district cooling with thermal storage; today serving 100 buildings; 20 M SF; 60% share

CHW storage shifts 9 MW peak demand

In 2003, integrated biomass CHP w/ urban waste wood; 65 MW thermal; 25 MW electric; displacing 250,000 tons coal

A large industrial facility, likely a power plant or refinery, featuring a prominent tall, cylindrical smokestack on the left. The facility includes several large, modern buildings with dark facades and glass windows. The sky is blue with some light clouds. In the foreground, there are some plants and a paved area where a few people are walking.

In 2011, installed 2nd largest solar hot water system in US; 1.2 MW thermal

Continuous improvements in plant & customer efficiency/energy intensity

Local fuel resources re-circulate \$12 million in local economy

Over 30 years, tripled amount of space heated while cutting carbon emissions per SF by over 50%

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AWARD OF EXCELLENCE

Municipal Scheme Serving More Than 10,000 Citizens: Modernization

Awarded to **District Energy St. Paul** 

September 23, 2013 | New York City, NY



DISTRICT ENERGY
ST. PAUL™



This is to certify that **District Energy St. Paul** 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.



Robert Thornton
President & CEO, IDEA



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



Frederic Hug
President, Euroheat & Power