



CO-OPERATION AGREEMENT/ MEMORANDUM OF UNDERSTANDING

between

**AGFW, the German Energy Efficiency Association for District Heating, Cooling and CHP,
Germany**

and

IDEA, the International District Energy Association, USA

Whereas, AGFW | The German Energy Efficiency Association for District Heating, Cooling and CHP is an independent, non-profit industry association formed in 1971 with headquarters in Frankfurt, Germany which currently represents the interests of approximately 450 utilities operating district heating systems, industrial companies, manufacturers, and research institutes across Germany and Europe and actively promotes the development, expansion and operation of energy-efficient district heating, district cooling, and combined heat and power (CHP) in Germany and around the world.

Whereas, the International District Energy Association (IDEA) is an independent, non-profit industry association formed in 1909 with headquarters in Westborough, Massachusetts (USA) which currently represents the interests of approximately 2400 members worldwide involved in operation, design, construction, and optimization of district heating, district cooling, CHP (cogeneration) systems and microgrids, with a majority of members in North America, as well as Europe, Middle East and Asia Pacific.

Whereas, both AGFW and IDEA (the "Parties") are actively engaged in education, advocacy, promotion, and training in the fields of district heating, district cooling, and CHP and seeking greater organizational collaboration and cross-border exchange to support a shared objective of advancing a growing industry;

Whereas, the Parties seek a mutually beneficial approach to educate and inform government officials on the economic, environmental, and energy- efficiency advantages of district energy in order to facilitate adoption of policies favorable to the district energy and CHP industries;

Whereas, the Parties seek to jointly develop and promote standardized global technical guidelines and operational business best practices in order to better support continued industry growth;

Whereas, AGFW has established an extensive directory of technical guidelines and industry best practices in the operation, design, and optimization of district heating systems with emphasis on district hot water technology and integration of CHP;

Whereas, IDEA has developed technical guidelines for district heating with emphasis on steam systems and industry best practice guidance for district cooling systems utilizing chilled water;

Whereas, both parties are committed to the wider deployment of safe and reliable district energy systems as a means to increase energy efficiency, reduce harmful emissions, and strengthen local economies through utilization of local, low carbon, and renewable energy sources;

Now, therefore, wherever possible and mutually beneficial, the parties agree to work together on the following areas of common interest, i) government advocacy and policy education and ii) the development of industry technical guidelines and business best practices, as further set forth below:

- (i) With respect to advocating for more favorable national, provincial and municipal energy and environmental policies for district energy and CHP, the parties agree to share and exchange relevant legislation, policy statements, and industry white papers that support investment in district energy and CHP for cities, towns, communities and campuses and will collaborate on outreach and advocacy to educate and inform government policy-makers.
- (ii) Drawing from their respective technical strengths, the Parties agree to collaborate on the exchange and development of industry best practice guidelines for district heating, district cooling, and CHP to enhance industry awareness of technical, industrial, environmental, operational and efficiency best practices.

This MOU will expire sixty (60) months from the date of execution unless renewed by mutual agreement of the parties. This MOU may be terminated at any time by mutual agreement of both parties.

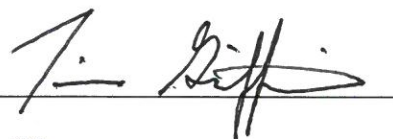
AGREED TO BY:

Signature



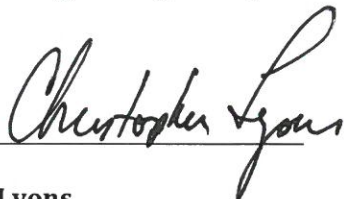
Werner R. Lutsch
CEO & Managing Director
AGFW – German Energy Efficiency Association
for District Heating, Cooling & CHP, Germany

Signature



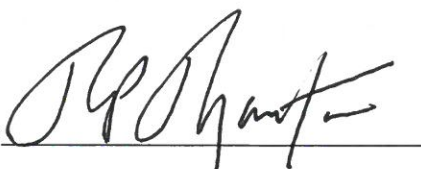
Timothy Griffin
Chairman of the Board
IDEA - International District Energy Association
USA

Signature



Christopher Lyons
Vice Chairman of the Board
IDEA - International District Energy Association
USA

Signature



Robert P. Thornton
President & CEO
IDEA - International District Energy Association
USA

On this date June 27th 2017

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