



District Heating Guide

By American Society of Heating Refrigerating and Air-Conditioning Engineers



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District Heating Guide provides design guidance for all major aspects of district heating systems, including central heating plants, distribution systems, and consumer interconnections, for both steam and hot-water systems. It draws on the expertise of an extremely diverse international team with current involvement in the industry and hundreds of years of combined experience.

In addition to design guidance, this book also includes a chapter dedicated to planning, with information on cogeneration of heat and electric power as well as the integration of thermal storage into a district heating system. Guidance on operations and maintenance is also provided to help operators ensure that systems function as intended. In addition, examples are presented where appropriate, and three detailed case studies are included in an appendix.

This guide is a must-have for consulting engineers with campus specialization, utility engineers, district heating system operating engineers, central plant design engineers, and steam and hot-water system designers. District Heating Guide fills a worldwide need for modern and complete design guidance for district heating systems.

Features:

- Comprehensive coverage of all aspects of district heating system design.
- Equal depth in coverage for both steam- and hot-water-based systems.
- Coverage of cogeneration and thermal storage as well as O&M issues.

Benefit to the Customer:

- Useful resource for both inexperienced designers as well as those immersed in the industry

- Authoritative, up-to-date guidance from worldwide experts

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning, and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing, and continuing education.

The ASHRAE Handbooks are the design standard for control of built environments with volumes on Systems and Equipment, HVAC Applications,

Refrigeration and Fundamentals. Each is updated every four years. In addition to publishing design guidance for engineers, architects, and facility managers, we also publish a series of texts for classroom use.

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