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| ASHRAE Technical FAQ |
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| ID  | 80 |
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| Question  | Where can I find information on geothermal energy and ground source heat pumps? |
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| Answer  | [2020 ASHRAE Handbook - Systems and Equipment](https://www.techstreet.com/ashrae/standards/2020-ashrae-handbook-hvac-systems-and-equipment-i-p?product_id=2121460), Chapter [S09](https://www.techstreet.com/ashrae/standards/s09-applied-heat-pump-and-heat-recovery-systems-i-p?product_id=2121357)[2023 ASHRAE Handbook - HVAC Applications](https://www.techstreet.com/ashrae/standards/2023-ashrae-handbook-hvac-applications-i-p?product_id=2225673), Chapter [A35](https://www.techstreet.com/ashrae/standards/a35-ground-source-heat-pumps-and-geothermal-energy-i-p?product_id=2573522)The following ASHRAE Manuals: * [Ground Source Heat Pumps--Design of Geothermal Systems for Commercial and Institutional Buildings](http://www.techstreet.com/cgi-bin/detail?product_id=567237)
* [Operating Experiences with Commercial Ground-Source Heat Pump Systems](http://www.techstreet.com/cgi-bin/detail?product_id=1703597)
* [Commercial Ground-Source Heat Pump System](http://www.techstreet.com/cgi-bin/detail?product_id=1712767)
* [Geology and the Ground Heat Exchanger: An Introduction for Design Engineers](http://www.techstreet.com/cgi-bin/detail?product_id=1719284)
* [Commissioning, Preventive Maintenance, and Troubleshooting Guide for Commercial Ground-Source Heat Pump Systems](http://www.techstreet.com/cgi-bin/detail?product_id=1703578)

The handbook and the other ASHRAE publications may be purchased and/or individual chapters of the handbook may be purchased and downloaded on-line at our website, [www.ashrae.org](http://www.ashrae.org) or by calling 1-800-527-4723 in the USA and Canada or 1-404-636-8400 worldwide.The International Ground Source Heat Pump Association ([IGSHPA](https://igshpa.org/)) - <https://igshpa.org/> Oregon Renewable Energy Center ([OREC](https://www.oit.edu/orec)), Oregon Institute of Technology - [www.oit.edu/orec](http://www.oit.edu/orec) Energy Information Services - [www.geokiss.com](http://www.geokiss.com)  |
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| ASHRAE Pubs  | [2020 ASHRAE Handbook - Systems and Equipment](https://www.techstreet.com/ashrae/standards/2020-ashrae-handbook-hvac-systems-and-equipment-i-p?product_id=2121460), Chapter [S09](https://www.techstreet.com/ashrae/standards/s09-applied-heat-pump-and-heat-recovery-systems-i-p?product_id=2121357)[2023 ASHRAE Handbook - HVAC Applications](https://www.techstreet.com/ashrae/standards/2023-ashrae-handbook-hvac-applications-i-p?product_id=2225673), Chapter [A35](https://www.techstreet.com/ashrae/standards/a35-ground-source-heat-pumps-and-geothermal-energy-i-p?product_id=2573522)The following ASHRAE Manuals: * [Ground Source Heat Pumps--Design of Geothermal Systems for Commercial and Institutional Buildings](http://www.techstreet.com/cgi-bin/detail?product_id=567237)
* [Operating Experiences with Commercial Ground-Source Heat Pump Systems](http://www.techstreet.com/cgi-bin/detail?product_id=1703597)
* [Commercial Ground-Source Heat Pump System](http://www.techstreet.com/cgi-bin/detail?product_id=1712767)
* [Geology and the Ground Heat Exchanger: An Introduction for Design Engineers](http://www.techstreet.com/cgi-bin/detail?product_id=1719284)
* [Commissioning, Preventive Maintenance, and Troubleshooting Guide for Commercial Ground-Source Heat Pump Systems](http://www.techstreet.com/cgi-bin/detail?product_id=1703578)

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| Topic References  | Heat pump, geothermal energy |
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|  | Cognizant ASHRAE Committees | Refer to Organization |
| 1 | [TC 6.8](https://tc0608.ashraetcs.org/) | [IGSHPA](https://igshpa.org/) |
| 2 | [TC 9.1](https://tc0901.ashraetcs.org/) | [Oregon Renewable Energy Center (OREC)](http://www.oit.edu/orec) |
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