

## Solar, Geothermal and Alternative Energy Sources ASTM Committee E44

Working in a consensus process that is free of geographical and political boundaries, ASTM Committee E44 develops international standards on technology for conversion of solar and geothermal renewable energy to directly usable energy forms and the application of such technology for the public benefit. This includes heating of domestic hot water; active and passive space heating and cooling; process heating; thermal conversion power generation; photovoltaic generation of electricity; and advanced energy conversion, including wind energy.

### Committee Membership

- Approximately 125 members, ASTM Committee E44 includes technical experts from 11 countries (Canada, China, Ethiopia, Korea, Nigeria, Slovenia, Italy)
- Companies & Orgs
  - Fortune 500: 3M Company, Jacobs Energy Group Inc
  - Gvt: US Army, EPA, NREL, Solar ABCs, NIST, DOE
- This committee meets once a year (Next meeting is in Atlanta, Georgia this November 10-11th with virtual meetings in the interim)

### Solar, Geothermal and Alternative Energy Standards

ASTM International Technical Committee E44 is organizing renewed efforts for standards development in the solar energy industry. During their February 19, 2009 virtual meeting with national laboratories, manufacturers, government agencies and researchers, they were able to identify various areas of both short and long term standards development needs. ASTM technical committee E44 will evaluate and address those recently identified needs but aspires to expand upon them and increase their efforts.

ASTM Committee E44 has over 49 standards under their jurisdiction. These standards have and continue to play a preeminent role in all aspects important to the technology for conversion of solar and geothermal renewable energy to directly usable energy forms. They are developed by the following five technical subcommittees:

**E44.05** Solar Heating and Cooling Systems and Materials

**E44.09** Photovoltaic Electric Power Conversion

**E44.15** Geothermal Field Development, Utilization and Materials

### Further Information

ASTM is actively seeking participation and input from stakeholders who are not involved with our consensus process. For more information about ASTM Committee E44, visit <http://www.astm.org>, e-mail Christine DeJong at [cdejong@astm.org](mailto:cdejong@astm.org) or call 610/832-9736 .