How You Can Contribute to Alternative Energy Standardization

Membership in Committee E44
The committee welcomes all technical experts with an interest in solar and geothermal standardization. Our 180+ members represent more than 17 countries all over the world. Meetings are held on location twice a year, in June and November. Standards development work continues all year long through electronic tools and virtual meetings.

Just a few of the benefits you will receive when you join ASTM:
- Network with alternative energy professionals worldwide;
- Have direct input into the development of new and revised standards;
- Participate in informational webinars;
- Receive a free volume of the Annual Book of ASTM Standards;
- Enjoy discounts on all ASTM publications;
- Receive free subscriptions to ASTM Standardization News and ASTM eNews; and
- Benefit from reduced attendance fees at ASTM symposia and technical workshops.

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ASTM International
100 Barr Harbor Drive
P.O. Box C700
West Conshohocken, PA 19428-2959
USA
tel +1.610.832.9500
fax +1.610.832.9555
service@astm.org
www.astm.org

The annual fee to be an informational or participating member of ASTM International is $75 USD. Annual membership provides access to multiple technical committees at no additional cost.
As strong interest in solar energy continues to build, Committee E44 has responded to the need for standards in this area. This includes supporting the rapid expansion in the market for photovoltaic products and the growing need for best practice installation guidelines for both residential and commercial applications. We work closely with various stakeholders on standardization needs, including the National Renewable Energy Lab, Solar Energy Industries Association, Underwriters Laboratory, the Solar America Board of Codes and Standards, and the U.S. Department of Energy’s project on Solar America Initiative Market Transformation.

ASTM International Committee E44 on Solar, Geothermal and Other Alternative Energy Sources develops standards that address the technology for conversion of solar and geothermal renewable energy to directly usable energy forms and the application of such technology for 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; glass for solar applications; and advanced energy conversion, including wind energy.

Learn more at www.astm.org/COMMIT/E44

ASTM E44 Staff Manager
Kristy Straiton
tel +1.610.832.9640
kstraiton@astm.org

Committee E44 Standards
This committee oversee more than 50 solar, geothermal and alternative energy standards, including:

- **ASTM E1175**, Standard Test Method for Determining Solar or Photopic Reflectance, Transmittance, and Absorptance of Materials Using a Large Diameter Integrating Sphere
- **ASTM E2685**, Standard Specification for Steel Blades Used with the Photovoltaic Module Surface Cut Test
- **ASTM E2848**, Standard Test Method for Reporting Photovoltaic Non-Concentrator System Performance
- **ASTM E3006**, Practice for Ultraviolet Conditioning of Photovoltaic Modules or Mini-Modules Using a Fluorescent Ultraviolet Lamp Apparatus
- **ASTM E3010**, Practice for Installation, Commissioning, Operation and Maintenance Process of Photovoltaic Arrays

180+ technical experts from 17 countries, including Canada, China, Ethiopia, Korea, Nigeria, Slovenia and Italy, comprise E44’s nine subcommittees.

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