



enlighten

THE BIMONTHLY NEWSLETTER OF THE DAYLIGHTING COLLABORATIVE

www.daylighting.org

volume 1, issue 1 • december 2007



DAYLIGHTING
collaborative®

light every building using the sky

Thank you to the Sponsors who support the Daylighting Collaborative's mission of lighting every building using the sky:

PLATINUM

We Energies

GOLD

Draper, Inc.
WattStopper

SILVER

HUVCO Daylighting Solutions
Kalwall Corporation
Lighting Analysts and AGI32
Major Industries, Inc.
Solatube

BRONZE

Alliant Energy
DUO-GARD Industries Inc.
Madison Gas & Electric
Xcel Energy

WINTER SOLSTICE, 2007

Welcome to the first issue of *enlighten* the newsletter of the Daylighting Collaborative. The winter solstice marks the return of the sun as our daylight hours begin to lengthen over the next months. It is an appropriate occasion to invite you to learn how to light your buildings using the sky. The Daylighting Collaborative is your window on the world of daylighting design. Our bimonthly newsletter will highlight new developments in daylighting technologies, present research results and connect you with a community of daylighting practitioners.

The Daylighting Collaborative is a program initiated by the Energy Center of Wisconsin and supported by our sponsors. We work collaboratively with other companies, organizations, and individuals to promote the practice of using daylighting in buildings. We're promoting daylighting because good daylighting creates beautiful, appropriately lit spaces while saving energy. Good daylighting design is an essential strategy for reducing energy use in buildings and meeting the 2030 Challenge.

The Daylighting Collaborative delivers information through our portal at <http://www.daylighting.org>. There you will find direct links to other sources of information, citations of current research and annotated references to printed resources to help you successfully daylight your buildings.

Our newsletter is a snapshot of what's new in the world of daylighting. It will notify you of new information posted on the website, including technical and design updates. In the future, the newsletter will include articles by experts in the daylighting design and construction community providing insight on projects, new technology developments or even random thoughts on the world of daylighting.

We look forward to working with you to light every building using the sky!

Abby Vogen Horn

LOOKING FOR TRAINING?

DAYLIGHTING COMMERCIAL BUILDINGS



DAYLIGHTING
collaborative®

LEARN HOW TO LIGHT EVERY BUILDING WITH THE SKY

Daylighting training will be held in Madison, Wisconsin and Duluth, Minnesota in February, 2008.

www.ecw.org/university

Did you know...

That Thomas Edison, inventor of the electric light bulb and electrical distribution system, is attributed to stating the following: "I'd put my money on solar energy. What a source of power! I hope we don't have to wait till oil and coal run out before we tackle that."

Join the Daylighting Collaborative

If you'd like access to daylighting design information, new tools, trainings and the "Ask the Expert" forum, please join us by clicking <http://www.daylighting.org/join.php>.

TECHNOLOGY AND RESEARCH HIGHLIGHT

Research on actual savings from daylighting can be hard to come by....much less research that includes HVAC impacts as well as lighting energy savings. The Energy Center of Wisconsin conducted research under a US Department of Energy grant in cooperation with NASEO (National Association of State Energy Offices) and ASERTTI (Association of State Energy Research and Technology Transfer Institutions) to look at just these issues.

Results from the cold and humid climate of Iowa included lighting and HVAC operating cost savings of more than 20 percent on operating costs of about \$1.13 per square foot. Download the full report at <http://www.ecw.org/productdetail.php?productid=517>.

DAYLIGHTING AND HIGH PERFORMANCE GREEN BUILDINGS RECEIVE STRONG SUPPORT FROM FEDERAL ENERGY BILL.

Daylighting and High Performance Green Buildings receive strong support from federal energy bill.

The Energy Independence and Security Act contains legislation strongly aligned to the fossil fuel reductions called for in commercial buildings by the Architecture 2030 Challenge. The Energy Center supports the Architecture 2030 Challenge. The legislation includes initiatives to advance high performance commercial building design, high performance green commercial building design, and zero-net-energy commercial buildings.

The energy bill includes daylighting as a "cost-effective lighting technology" that "will result in substantial operational cost savings by ensuring an installed consumption of not more than one watt per square foot." It also establishes a program of research to demonstrate energy savings from daylighting systems and direct solar light pipe technology.

Information about the Architecture 2030 Challenge can be found at: <http://www.architecture2030.org>

WHAT'S NEW ON THE WEBSITE?

Well...almost everything. Please visit www.daylighting.org and find out how to light every building using the sky. And, we want your input. We rely on insights, feedback and questions from our visitors and members. Please make use of the "contact us" link to provide us with your comments or suggestions.