

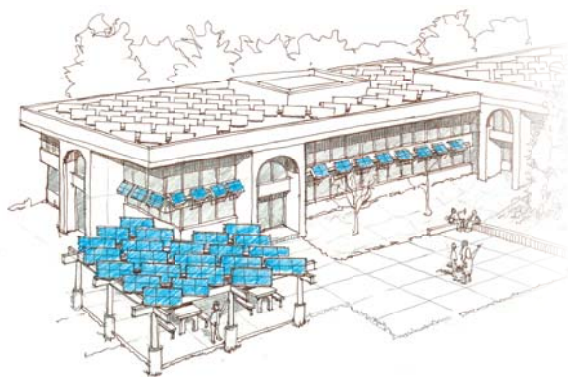
FUTURE FUNDING AND SUSTAINABILITY PROJECTS

Building Fund

The Building Fund is to be used exclusively for major building repairs and significant landscaping projects on any property owned by the Geological Society of America. Examples of appropriate expenditures would be structural improvements to the building, replacement of mechanical units (HVAC), parking lot and street improvements and repairs, major landscaping projects, and extensive interior upgrades and repairs as needed. Expenditures should focus on long-term energy and conservation improvements.

Energy and Conservation Fund (EC Fund)

The Energy and Conservation Fund supports the use of alternative energy sources and company-wide conservation measures. The seed money for this fund will come from renewable energy credit (REC) payments that GSA will receive from Xcel Energy for installing a 65.5KWH rooftop solar system (phase 1). These payments are projected to be \$10,000 per year starting December 2010 and continuing through December 2029.



Cover: Solar pavilion concept sketch by emildesigns, inc., adapted from original building rendering (Oz Architecture) provided by the Geological Society of America. The pavilion sketch is part of GSA's phase 2 solar project.

Phase 1 Solar Installation

(completed October 2010)

Bella Energy, a Louisville, Colorado company, has completed the design, procurement, installation, and commissioning of a 65.5 kilowatt (kW) solar electric (aka Photovoltaic or PV) system on the roof of GSA's building at 3300 Penrose Place, Boulder, Colorado. System production is estimated at 90,000 kilowatt hours (kWh) per year.

The cost of the 65.5 kW system is being partially offset by a \$132,000 rebate from Xcel Energy and a \$30,000 grant that GSA received from the City of Boulder Climate Smart program.

Phase 2 Solar Installation (TBD)

GSA has the capacity to add an additional 35 kW system to our Boulder campus. Phase 2 would be a ground-based solar awning with the capability of producing 50,000 kWh per year. The awning would also add a more useable outdoor space for GSA members and employees to enjoy (see concept sketch on the cover).

Windsorce® Program

For more than a decade, Xcel Energy has played a pivotal role in the commercialization and advancement of wind energy. Launched in 1998, the Windsorce program has grown to be the largest voluntary green-energy program in the United States in terms of customer participation, according to the U.S. Department of Energy's National Renewable Energy Laboratory (NREL). Through the program, customers can specify that part or all of their electricity be generated by the wind.

The Geological Society of America will use 100% renewable energy (wind & solar) by December 2011.



THE
GEOLOGICAL
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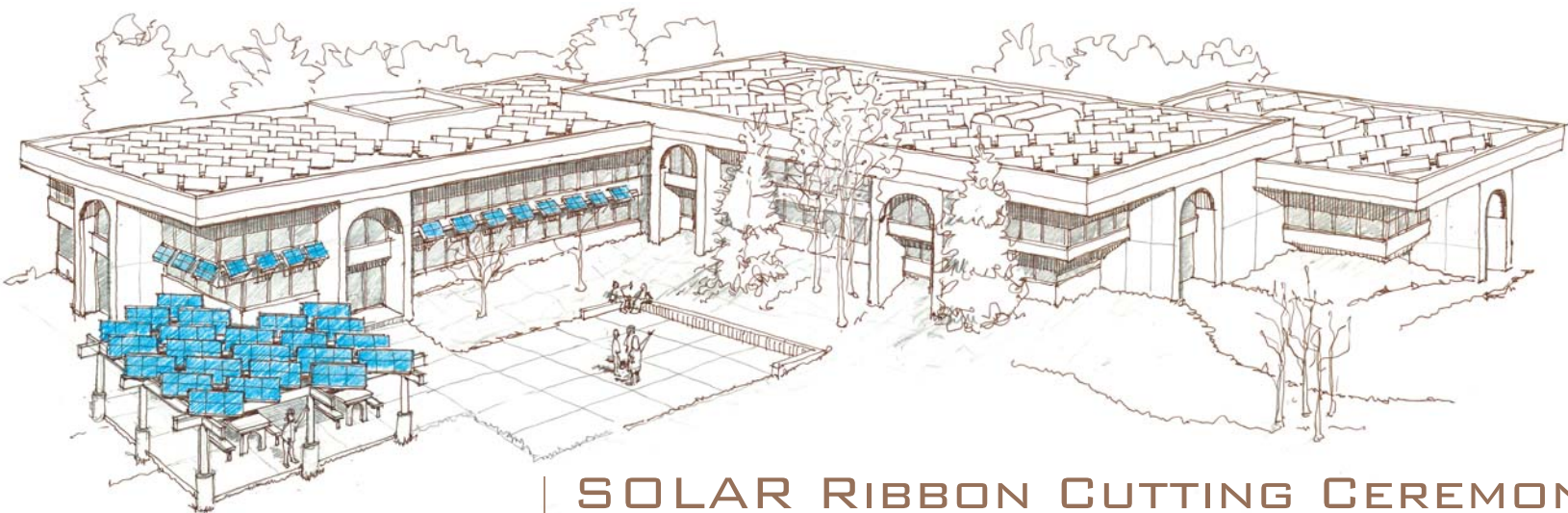
3300 Penrose Place | Boulder, Colorado
Thursday, 28 October 2010

PROGRAM OF EVENTS

- | | |
|--------------|---|
| 3:00–3:30 pm | Informal reception |
| 3:30–3:40 pm | Introductions and Acknowledgements (Jack Hess) |
| 3:40–3:45 pm | GSA's Mission and the Solar Project (Jean Bahr) |
| 3:45–3:55 pm | Bella Energy (Andrew McKenna) |
| 3:55–4:05 pm | City of Boulder ClimateSmart Program (Richard Polk) |
| 4:05–4:10 pm | Dennis Arfmann (ASES) |
| 4:10–4:15 pm | Office of Jared Polis (Andy Schultheiss) |
| 4:15–4:25 pm | GSA Foundation (Geoff Feiss) |
| | Reception to follow |

EVENT SPONSORS

Geological Society of America Foundation
Bella Energy | Boulder Beer | Sublime Catering



SOLAR RIBBON CUTTING CEREMONY

Thursday, 28 October 2010 | 3300 Penrose Place, Boulder, Colorado, USA

PARTNER INFORMATION

Emildesigns



Project People



Emildesigns Inc. is an award winning architecture/planning firm specializing in small/medium projects of both commercial and residential scope, throughout Colorado since 1997. See more at www.emildesigns.com

The **Geological Society of America Foundation** exists to promote the science of geology and to provide funds for programs of the Geological Society of America that are consistent with the Society's mission. Thus, the Foundation seeks to fund those education, research, publications, student support, public outreach, and other geoscientific programs of the Geological Society of America that the Foundation, in consultation with the Society, considers necessary to accomplish the Society's purposes of advancing the geosciences, enhancing the professional growth of GSA members, and promoting the geosciences in the service of humankind.

Project People LLC is a Boulder-based provider of environmentally-conscious project and event management services. Beth Powell, Principal, provided media and community relations support for this event.

Xcel Energy: Our name reflects our core value of excellence in energy products and services. We are dedicated to providing you the best in service, value and information to enhance your professional and personal life. We are committed to customer satisfaction by continuously improving our operations to be a low-cost, reliable, environmentally sound energy provider. We have been successfully proving this to our customers for more than 130 years and will work hard to continue with this commitment in the future.

Building on our nearly three decades of experience, **Bella Energy** delivers award-winning solar solutions to governments, corporations and homeowners. We are Colorado's senior solar contractor, operating from our headquarters on the Front Range in Boulder County and with five regional locations. Throughout the West, Bella Energy has been serving its customers with cost-effective solar energy solutions.

Boulder Beer Company, Colorado's first Microbrewery, has been hand-crafting award-winning ales in Boulder, Colorado, since 1979. As they've grown to now reach 33 states, they've taken many positive steps toward operating their brewery and pub in the most environmentally sustainable manner possible. As a sponsor and inaugural member of the City's 10 for Change Program, Boulder Beer surpassed their 10% reduction goal, reducing their annual energy use by 131 tons of carbon dioxide in 2009.

City of Boulder ClimateSmart Solar Grant Fund In November 2006, Boulder's City Council initiated the City solar rebate program. This created a renewable energy fund, of which 35 percent is used for sales tax rebates for installation of photovoltaic (PV) or solar thermal systems on: Nonprofit organizations' buildings in Boulder. Housing developed by nonprofit organizations for low to moderate income residents, and homes in the city's affordable housing program.

