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Leonardo Academy greatly appreciates your participation in our work by making a charitable contribution. Your tax deductible contributions help support Leonardo Academy's work to improve the environment, increase energy efficiency and promote sustainability. Leonardo Academy Inc. is a charitable 501(c)(3) nonprofit organization. Your contributions are tax deductible to the full extent allowable by law.

HAPPY HOLIDAYS FROM LEONARDO ACADEMY STAFF!



From left front row: Andrea Bachrach, Kristin Naimoli, Tracy Spoeth-Jaworski, Shana Kellum, Jennifer Trucks, Amber Seffrood, Sarah Russell, and Becky Hook. From left back row: Bill Rattunde, John Rodgers, Dirk Mason, Michael Army, Steve Olson, John Landowski and Betsy Braun. Not pictured: Kara Edmonson, Barb McCabe, Jessica Loeper and Maribeth Kniffin.



**U P C O M I N G
2 0 1 1 E V E N T S**

JANUARY 18 - APPLETON, WI
Wisconsin Green Building Alliance - SW Branch Meeting
Lunch-time presentation, "Sustainable Operations: Getting Started, Moving Forward"

MARCH 3-4 - MIAMI, FL
MiaGreen Expo & Conference
Leonardo Academy full-day workshop, "LEED Green Associate Training and Exam Preparation"

MARCH 15-17 - BALTIMORE, MD
NFM&T Conference and Expo
Leonardo Academy presentation, "LEED-EB O&M Recertification of NC and EB Certified Buildings: The Key to Making Building Sustainability Sustainable;" and panel presentation, "LEED-EB State of the Union"

**U P C O M I N G
2 0 1 1 T R A I N I N G**

LIVE TRAINING:
LEED® Green Associate Training and LEED AP O&M Training*
FEB. 15-16 – MINNEAPOLIS, MN
MAR. 22-23 – WASHINGTON D.C.
APRIL 26 – MADISON, WI
*Not conducted in Madison, WI

WEBINARS:
JAN. 11-12, FEB. 22-23, APRIL 12-13
LEED Green Associate Training, Part 1 and 2
JANUARY 20
LEED Waste Management Strategies
FEBRUARY 10
The Economics of LEED
MARCH 10
Integrating LEED-NC & LEED-EB
APRIL 21
Sustainable Procurement Strategies

FOR MORE INFORMATION ON TRAINING:
www.leonardoacademy.org/training

Great Sustainability Achievements Made in 2010

It has been a very productive year for Leonardo Academy as we continue to help drive sustainability into practice on many fronts. We have made progress on advancing sustainability for buildings, organizations, agriculture, emissions, gaming equipment, fire suppression, land management and more.

We have greatly expanded our training program to provide the practical knowledge needed to empower the legions to advance sustainability in their work. Over the past year we conducted 47 live webinars and three in-person public training sessions in Chicago, Washington, D.C. and New York City. In 2011, we plan to offer more in-person public training programs across the country, as well as on-demand webinars.

Leonardo Academy was awarded a \$600,000 grant from the Environmental Protection Agency to help reduce emissions from diesel engines. We will use the grant for clean diesel projects in Wisconsin that significantly reduce fuel emissions from long-haul trucks, and school and municipal bus fleets (read more on page 3).

The National Sustainable Agriculture Standards Committee continues to make progress and overcome each challenge that arises. Committee and subcommittee members are gearing up for a Committee Meeting next April in San Francisco where draft materials prepared by the subcommittees will be reviewed by the Standards Committee and voted on.

In November, Leonardo Academy attended the 2010 Greenbuild International Conference and Expo. We had a booth at the Expo and hosted the Leonardo Academy Sustainability and Existing Building Community Celebration, the longest-running existing building event at Greenbuild. As always, it is great to talk with all these people who are making a difference by advancing sustainability in buildings and beyond. Through our Cleaner and Greener® program we quantified and helped offset the greenhouse gas and human health-related emissions associated with the event.

Leonardo Academy is proud to announce that we have been selected to participate in the Google Grants program which will help promote our programs and services. Google Grants is an in-kind online advertising account which can be used in a variety of ways, including

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Leonardo Academy staff at the 2010 Greenbuild International Conference and Expo at McCormick Place in Chicago, IL. From left: Dirk Mason, Jessica Loeper, Kara Edmonson, Bill Rattunde and Michael Army.



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general outreach, fundraising activities and recruitment of volunteers.

As a charitable nonprofit organization, our mission is to develop new approaches to sustainability and then work to drive these new approaches into practice in the marketplace. In 2010, Leonardo Academy made significant progress advancing our mission, but an incredible amount of work remains for all of us to move the world toward sustainability. As 2011 approaches, please consider

making a year-end charitable contribution to Leonardo Academy to support our work on advancing sustainability. You can make contributions online at: www.leonardoacademy.org/donate.html

Michael D. Army

Happy Holidays!
Michael Army, President

Update on Leonardo Academy Programs

TRAINING

The Training Team finished the year on a high note. In September, we rolled out our Green Associate training in both the in-person and live webinar formats. We conducted day-long, public Green Associate training sessions in Chicago, Washington, D.C., and New York, and several times online. We also conducted private sessions for companies. Moreover, throughout the year we continued to offer weekly live webinars on various sustainability topics.

Did you miss one of our training sessions in 2010? Not to worry. In 2011, we will be expanding our focus. We plan to offer Green Associate training in eight cities around the country and seven online webinars. Our on-demand webinar system will go live in January and we will also be offering LEED AP O+M training starting in February. Thank you to everyone who attended our courses in 2010. Keep checking our website for details and we hope to see you back in 2011!

WEBSITE DEVELOPMENTS (WORLDGREEN.ORG)

After its inception over a year ago, World Green's vision to fundamentally transform the way we think about sustainability is becoming a reality as a news aggregator and green social network. The World Green team provides unique articles on relevant topics and reaches out to its followers through monthly newsletters. We have recently partnered with Justmeans, a leading international news source and networking site that boasts a membership of over 250,000 and reaches 2.1 million people. Our continued dedication to keeping the world informed, coupled with our increased outreach, is making World Green one of the fastest growing sustainability sites on the web.

SUSTAINABILITY PROGRAM

This quarter Leonardo Academy has continued to advance its fire suppression sustainability program. A white paper presenting an overview of the issues of fire suppression sustainability was released and is available on our website. Its objective is to stimulate discussion of the issues and to begin the process of identifying and quantifying the sustainability impacts of the fire suppression industry. Other actions include enlisting the participation of building owners and occupants in a brief survey about fire suppression systems in their buildings, recruitment of sponsors for the program and development of a trial standard for sustainable building fire suppression.

Throughout the year, the Sustainability Team continued to help companies and organizations quantify, improve and report their sustainability.

EMISSIONS TEAM

FOOTPRINTS, REDUCTIONS AND OFFSETS

The Emissions Team has been busy this quarter with its largest event of the year, 2010 Greenbuild International Conference and Expo. This year's event at McCormick Place in Chicago brought together approximately 30,000 sustainability-minded



Above: Kara Edmonson at the Leonardo Academy booth at Greenbuild. Left: Dirk Mason and Michael Army at the Leonardo Academy Sustainability and Existing Building Community Celebration.



people from around the world. 2010 marks the 9th consecutive year that Leonardo Academy has quantified and helped offset the greenhouse gas and human health-related emissions from this prominent event.

We have also recently completed the third annual environmental inventory for Apogee Enterprises and the fourth emissions inventory for Milliken Carpet.

During 2010, Leonardo Academy's Cleaner and Greener® program evaluated the emissions reductions of 40 buildings across the United States, resulting in the permanent retirement of nearly 21,000 tons of CO₂.

EMISSIONS REDUCTIONS FOR DIESEL FLEETS

Leonardo Academy was awarded a \$600,000 grant from the Environmental Protection Agency (EPA) as part of the National Clean Diesel Funding Assistance Program to help reduce emissions from diesel engines. Reducing emissions from diesel engines is currently one of the most important air quality challenges facing the country. Even with EPA's more stringent heavy-duty highway and non-road engine standards set to take effect over the next decade, millions of diesel engines already in use will continue to emit large amounts of nitrogen oxides, particulate matter and air toxics, which contribute to serious public health problems. Anticipated emissions reduction strategies for this project include aerodynamic technologies, rolling resistance tires, retrofit technologies, engine emissions upgrades, and idle reduction technologies.

SUSTAINABLE BUILDING SERVICES (LEED SERVICES)

Leonardo Academy has always offered sustainable building services, although it has not been clear to our external audience that we help buildings outside of LEED certification. To more fully reflect what our services encompass, it was decided to change the LEED Services team's name to Sustainable Building Services. We continue to place an emphasis on LEED (for both existing buildings and new construction), but hope to capture projects that utilize Leonardo Academy's broader expertise in areas such as assessment and gap analyses, water, energy and waste management, building efficiency strategies and efficiency upgrade payback analyses.

Over the last several months, Leonardo Academy has helped three more buildings achieve LEED for Existing Buildings (LEED-EB) certification. Congratulations to American Landmark Properties for Silver Certification of 1100 Superior in Cleveland, Ohio. Leonardo Academy has been requested to keep the other two projects confidential.

We have recently added more case studies of Leonardo Academy's LEED certified projects to our website. Each case study contains an overview of the project, key project information and the documented benefits of certification.

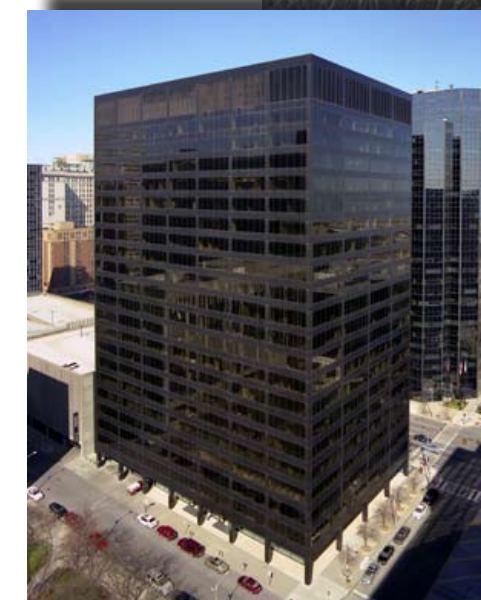
LEONARDO ACADEMY'S LAND MANAGEMENT PROGRAM AND VALLEY RIDGE PRESERVE

It was a busy season at Valley Ridge Preserve, but now a blanket of snow is upon us and field work will once again have to wait for spring. Preparations were made this past fall to ready the prairies and savannas for the spring burn. Additionally, we are pleased to announce that we have once again been accepted into the Conservation Reserve Program (CRP) for the next 10 years. Over the winter we will continue to investigate possible sources of financial help for planting more prairie, improving the savannah, and improving wildlife habitat.

SUSTAINABILITY STANDARDS DEVELOPMENT

Leonardo Academy announced that the National Sustainable Agriculture Standards Committee meeting will be held April 13 and 14, 2011 at the Gap, Inc. headquarters in San Francisco, California. There are still opportunities for participation and Leonardo Academy welcomes applications to participate. To apply: www.leonardoacademy.org/programs/standards/agstandard.

Significant progress was made during 2010. Task forces completed their extensive research and developed criteria and draft content for discussion. Draft principles and the process development timelines were voted on and approved. All of those documents are now being adopted and implemented by the members of the Standards Committee, to the benefit of the open process and quality of drafted content for the future draft standard.



American Landmark Properties, 1100 Superior in Cleveland, Ohio, achieved LEED-EB Silver Certification.