IFMA™
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Sustainability Liaison Call
October 27, 2015

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Reminder: Upcoming SAG Webinar

Engaging Occupants in Sustainability Initiatives: Strategies for Success

Thursday, October 29th at 1 PM CST

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Knowledge Library Update

Located within IFMA's Online Community, the Knowledge Library is attracting growing member interest as evident in 12,932 views and 1,075 content downloads logged since the platform's introduction at World Workplace.

With hundreds of recently added white papers, presentations and reports, you are able to stay on top of trends in FM with the click of a button. You can easily browse recently added, most popular and highest rated content, or filter content by competency or industry.

How you can help the association with this game-changing platform:

In order to further enhance and tweak the Knowledge Library we need you to use it and send us your feedback. Your experience and suggestions are essential to improvement and will be considered as we continue to enhance the Knowledge Library product.

Help spread the word on the resource—promoting the ability to rank, share, comment and download content.

Go to www.ifma.org/knowledgelibrary to:

- Sign up to become a reviewer and/or SME to assist with content vetting. Vetting is what differentiates our library from the rest, giving it the highest value.
- Submit content for consideration into the knowledge library (look for the external call for content).

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SAG NEWS - OCTOBER

SAG SHEET: October 24, 2015

1. SAG has a new How-to Guide update (ENERGY STAR). We have attached a copy for your information.

2. SAG has introduced new 30 minute (mostly) monthly webinars on the sustainability How-to guides – the first webinar on Green Rating Systems, took place in September 2015. The next will be on LIGHTING (Nov. 17 and will be of 60 min. duration since it will include info on the new lighting guide update as well as on the IFMA-supported LEEP program). In 2016, we have ENERGY STAR scheduled for February and GETTING STARTED for March.

3. Our regular Bi-Monthly webinars will still take place. OCCUPANT ENGAGEMENT will take place on 10/29 (see 6 below); Green Procurement (1/16/2016), Financing Resilience and Sustainability Investments (March).

4. The IFMA Board meeting approved the MOU with the City Energy Project. SAG appointed a task force to work with the CEP on the development of an road map.

5. SAG has been updating its initiative status. A draft of the current status will be attached to a second e-mail (ENERGY STAR file and status PPTs too big for my mail server).

6. Over 90 people registered for **Engaging Occupants in Sustainability Initiatives: Strategies for Success** (a record high). There is still time to attend this panel discussion webinar if interested: Date is Thursday, 10/29, time is 1:00-2:00 PM Central; URL: https://attendee.gotowebinar.com/register/3729307415387543554

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INITIATIVES

- ENERGY STAR
- Third Party Relationships
- Big Data, Internet of Things
- Standards
- IFMA Energy Reporting
- Zero Net Energy
- Emissions
- How-to Sustainability Guides

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ENERGY STAR

Laurie Gilmer, David Dunn

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Past

The first ENERGY STAR How-to Guide was published by the IFMA Foundation in 2009. Over the next several months, a task group was assembled who developed the IFMA Master ENERGY STAR Portfolio Manager account. Shortly after that in 2011 the IFMA Energy Challenge was born. As part of the challenge, IFMA members were encouraged to benchmark their buildings in Portfolio Manager (PM) and share their data with the IFMA Master Account. The task group also began presenting at conferences and in webinars to educate FMs on the value of benchmarking and how to use Portfolio Manager as a benchmarking and tracking tool. Emphasis was placed on areas within the U.S. where benchmarking through PM was mandatory.

Present

There are close to 2,900 facilities shared with IFMA through the Master Account. Data such as energy use by facility type, size, and geographic location is available. Emissions information for building energy-related consumption is also available. We believe this information is very valuable to FMs who would like to compare the performance of their buildings to others. This is particularly important for non-benchmarkable facilities such as convention centers and airports. Just prior to WWP 2015, using the data within IFMA's Master Account the SAG produced reports for 20 states in which mandatory energy reporting exists. The intent is to re-engage IFMA members in the Energy Challenge, continue to collect data, and produce reports that will assist FMs with energy management, emissions reduction, and benchmarking/tracking.

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Present (cont.)

The 3rd edition of the ENERGY STAR How-to Guide has just been completed and will be released soon.

Future

There is great value in being able to measure performance, set goals, and monitor improvements. ENERGY STAR PM provides a free, easy-to-use platform that anyone can access. It is also the tool of choice for local and state governments where mandatory energy consumption reporting is in place. Additionally as the importance of emissions tracking and reporting grows, PM will play a more prominent, expanded role. The tool is particularly useful to IFMA in serving as an aggregator of member data. The challenge is making that data useable and accessible in a format that works well for IFMA members.

Goals:

1. Continue to grow the shared facilities database
2. Continue to educate members on the role and importance of measurement, monitoring, and reporting
3. Incorporate energy and emissions data into the IFMA Benchmarks report

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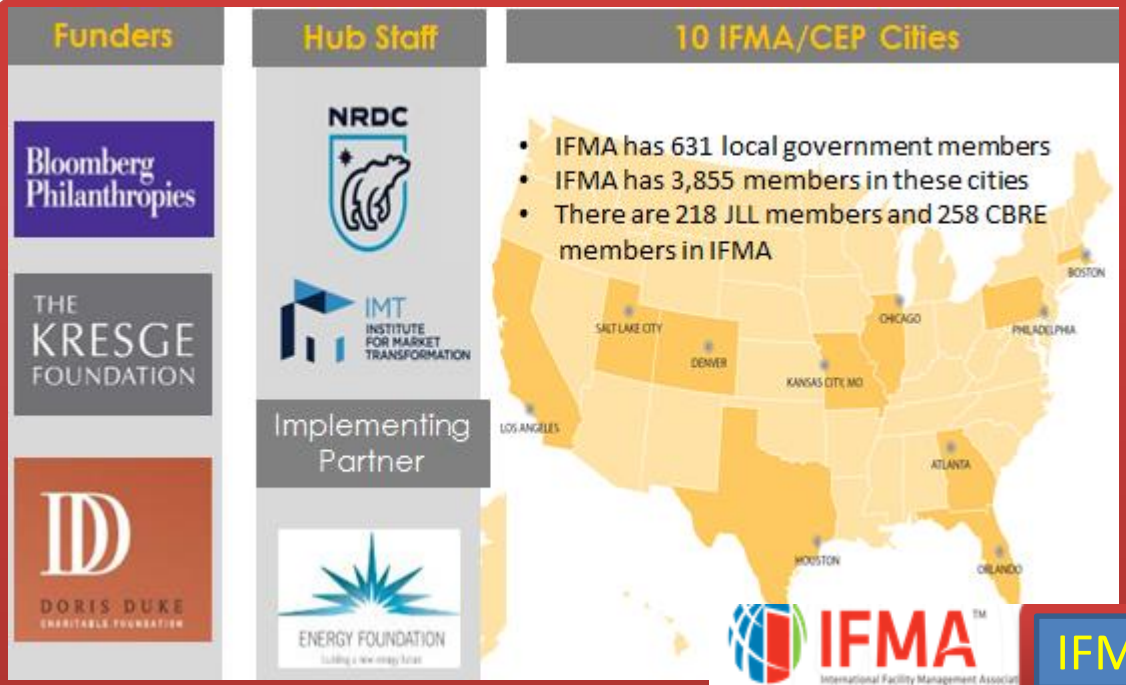
Third Party Relationships: CEP

John McGee, Sheila Sheridan, John Ringness, Pat Turnbull



IFMA

MOU COMMITMENTS

IFMA's goal in this collaboration with IMT and NDRC are to provide support to implement the following initiatives with the City Energy Project :

- Connect with City Energy Project's (a joint IMT/NDRC project dealing with energy efficiency and conservation related to the built environment) participant cities and their local stakeholders through in-person meetings, webinars, and/or chapter meetings to educate them about available IFMA programs that can promote energy efficiency and sustainability locally and nationally;
- Facilitate opportunities for the Project Partners and CEP participant cities to engage IFMA Chapters to promote energy efficiency in the buildings;
- Provide advice to CEP participant cities that are considering adoption of municipal energy

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Past

The development of third party relationships with other groups involved in sustainability and the built environment is a high priority to IFMA and SAG. A likely candidate for such a relationship is the City Energy Project (CEP) since they are already involved in working with 10 IFMA chapters (effecting almost 4,000 IFMA members) in the U.S. and have skill sets and tools complementary to IFMA.
CEP is a national initiative establish by the National Resource Defense Council (NRDC) and the Institute for Management Transformation (IMT) to improve the energy efficiency of existing buildings in major American cities. The group uses ENERGY STAR as its basic benchmarking metric and is well supported by private companies (e.g., JLL, CBRE, Schneider Electric) and funded by private (Doris Duke, The Kresge Foundation, Bloomberg Charities) and public (DoE) institutions. CEP's clients consist mostly of local governments and, to a lesser extent, building owners. IFMA started discussions with CEP and its partners in October 2014.

Present

A draft MOU prepared by CEP (and its partners) and SAG was completed in March 2015, submitted to the IFMA Board of Directors in April and unanimously accepted at their October WWP BOD2015 meeting.
Potential benefits to be derived by IFMA include the following:
Coordination/Sharing of knowledge, tools; Growth of ENERGY STAR data database; Potential of membership growth; Credential advancement – SFP; Integration with other IFMA committees; Potential new profit centers; Outreach to other NGOs (IMT, NRDC); Outreach to other potential funding sources; Growth path in coordination with CEP expansion

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SAG established a task force to develop a Roadmap that will incorporate four components: Communication channels between CEP and IFMA, Outreach to members and clients, Education of members, and marketing activities by IFMA and SAG. The Roadmap will be integrated with that of CEP and execution will start in November 2015.

Future

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Third Party Relationships: SPLC

Debbie Jaslow Shatz, Bill O'Neill, Johanna Kertesz

"Our acquisition of goods and services creates a carbon footprint nine times that of our buildings and fleet, put together."

Dan Tangherlini, (Former) Administrator, GSA

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Past

The Partnership with SPLC is a new relationship for IFMA.

Present

IFMA has the ability to partner with the SPLC in efforts to expand the knowledge of our member on "how to procure more sustainably". This is a great opportunity for IFMA, as our facilities can be greener and operate more cost effectively. Just as the USGBC's LEED program aided the Facilities industry with building and maintaining our facilities smarter and more sustainable, I see the SPLC as the next step to improving the quality of the goods and services we procure for our facilities.

SPLC is in the process of develop a rating system, similar to the LEED Program, the main goal is to build a community of people committed to using sustainable procurement to improve the environmental, social, and economic impacts related to procurement, which will ultimately improve our facilities.

SPLC has recently released the first version of their Guidance document. This Guidance document will drive standardization ensuring that we meet our environmental, social, and generations.

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economic goals. With SPLC's program we can establish "best in class" standards securing that we are selecting products and services that are meaningful, which will add value to the Facilities industry.

Future

SAG would like to see IFMA solidify the relationship with the SPLC, so we can be a participant in the process of building a global procurement standard, guaranteeing that the needs of the Facilities industry are included in the updated version(s) of the Guidance. Together we can create a better world for future

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Standards

Eric Teicholz, Bill Conley

LEEP

The Lighting Energy Efficiency in Parking Campaign

SPLC opportunity

- **Update: ISO/TC267**
  - MSS
  - CSA Group / SCC
- **Standards Activity:**
  - IPMS - published (attachment)
  - Asset Management & BCMS Standards (ne
  - ISO TC 176 – quality /September-October FM?
  - How collect international knowledge?
  - Other
- **OSCRE**
  - IFM – (attachment)
  - IFMA Collaboration
- **Visual of relationship of standards to FM**
  - ISO
  - OSCRE / IPMS
  - Technical

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Past

IFMA has a Standards Committee mostly engaged inresearch and development related to ISO standards not associated with sustainability. SAG has been conducting minor research related to third party energy standards development. The one exception to this has been IFMA's active support of the LEEP program.

The Lighting Energy Efficiency in Parking (LEEP) Campaign encourages commercial building, parking lot, and garage owners and managers to take advantage of the Campaign's proven opportunity to save energy and money by using high efficiency lighting technology in parking lots and structures. The goal of the LEEP Campaign was to have 500 million square feet of parking structure or lot space use roughly 1/3 less energy than Std. 90.1-2010 by March 1, 2015. Based on estimates, these energy savings equal approximately 150 million kilowatt-hours; that is equivalent to the annual electricity use of almost 14,000 homes.
(Bill, please add something re IFMA's involvement in the past.

Present

An Interior Lighting Campaign was established. This recognition and guidance program was designed to help facility owners and managers take advantage of savings opportunities from high efficiency interior lighting solutions.

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The initial campaign focus is related to troffer lighting, with a goal of documenting the completed or planned replacements (or newly installing for new construction) of 1 million standard troffers with high efficiency troffer solutions by May 2016.

Projects that are completed between January 2013 and May 2016 and demonstrate exemplary performance will be eligible for awards, to be conferred at the 2016 BOMA International Conference and Expo, June 25-28, 2016.

Campaign organizers, Building Owners and Managers Association International (BOMA), Illuminating Engineering Society of North America (IES), the International Facility Management Association (IFMA), U.S. General Services Administration (GSA), and the U.S. Department of Energy (DOE) serve on the ILC Organizing Committee.

Future

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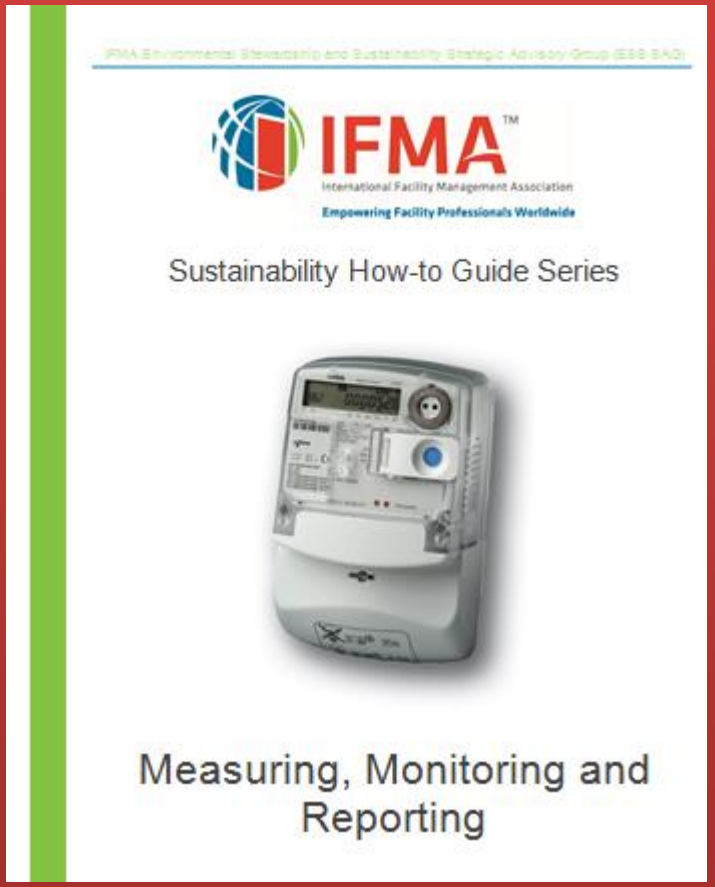
BIG DATA

John Ringness, Maureen Roskoski



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IFMA BENCHMARKS

Bill Conley, Chris Hodges, Lauren Huber

1. Water
2. ENERGY STAR
3. Vendors
4. Carbon
5. Electricity

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Net Zero/Emissions

Christopher Laughman, Laurie Gilmer

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Past

Emissions and Net Zero was identified as an area of interest amongst membership through feedback on the sustainability platform and in conversations with membership over the past two to three years. This interest has intensified with issues surrounding Climate Change making headlines in the international news cycle.

In 2015, SAG produced a presentation at Facility Fusion over both Emissions and Net-Zero. This presentation was followed up with a webinar and electronic article in FMJ.

The strategy implemented was to develop educational material that provided foundational understanding of what Climate Change is and how Climate Change is impacted by Emissions; this foundation education also included information to identify what emissions are. In addition, information was presented on the foundation of Net Zero, including the regulations and executive orders as well as the different definitions of Net Zero.

Present

Currently, there are no activities in progress concerning Net Zero or Emissions. However there are developments concerning the topic that may have an impact on Facility Managers. Specifically, on September 21, 2015 the US Department of Energy (DOE) released a Common Definition of Zero Energy Buildings. This definition states that a Net Zero Energy Building is an Energy Efficient building where, on a source energy basis, the actual annual delivered energy is less than or equal to the on-site renewable exported energy.

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Specifically, on September 21, 2015 the US Dept. of Energy (DOE) released a Common Source Energy Use is significant in that this definition includes the transport of energy from energy generation point to the facility, accounting for losses during electricity transmission. This definition is also significant as it narrows the definition away from other net zero energy definitions such as zero net site energy use, zero energy emissions, zero energy use and zero cost.

Under Executive Order 13514, all new federal buildings are to achieve zero-net energy by 2030. This narrowing of the definition will likely result in a continued focus on energy efficiency in new construction related to federal facilities. By default, the influence of the government on the private sector will likely also continue to place an emphasis on energy efficiency in private sector construction as well.

Future

The activity in the government sector indicates that Net Zero will continue to be a relevant topic in the future. As the goals set will require buildings to become very energy efficient, or membership will likely be tasked with making their buildings more efficient. Some opportunities for our membership in this sphere include evaluating our current energy star challenge and determining how we can create additional value from the information gained. Can reporting be developed that provides membership feedback on how their buildings are performing? Can the challenge be used to compare your facility against other like facilities? Can the information be utilized similar to the BOMA exchange report or Whitestone report from CBRE.

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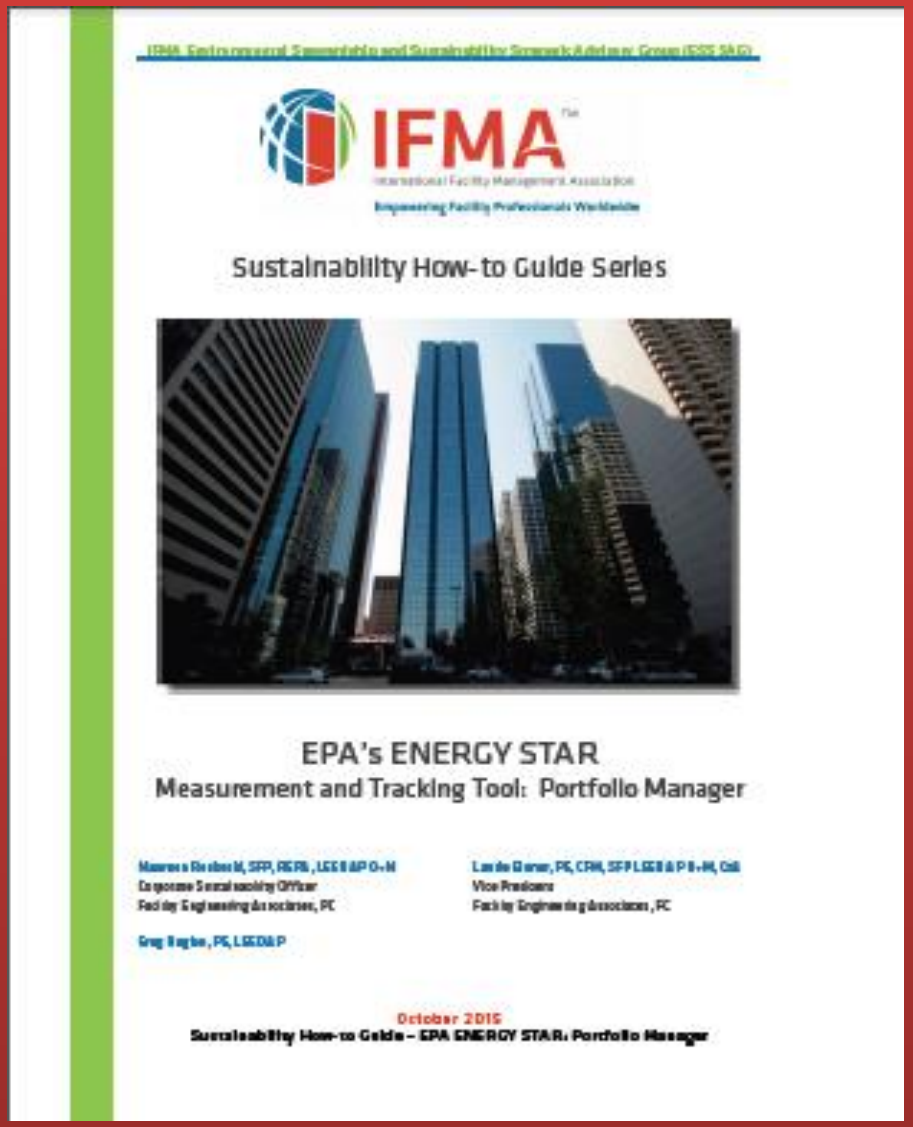
How-To Sustainability Guides

Eric Teicholz, John Ringness, Bill Conley



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Past

The How-to Sustainability guides are peer reviewed white papers on issues of importance. The guides follow a standard template including topics such as Executive Summary, Detailed Findings, Case Studies, Making the Business Case and various appendices. Since 2009, 14 guides have been produced including:

Getting Started
U.S. Government Policy Commissioning
Landscaping
Low Cost/No Cost Energy Savings
ENERGY STAR
Waste Stream Management
Lighting
Carbon Footprint
Data Centers
Water
Food Service
Green Building Systems
Green Cleaning
Commissioning

Existing Guides that need updating include Getting Started, Carbon Footprint, U.S. Government Policy, Data Centers, Landscaping, Water, Low Cost/No Cost and Food Service

Present

Three update guides have been released since September, 2014: **Green Building Rating Systems**, **Lighting** and **ENERGY STAR**. Another update guide, **Waste Stream Management** should be produced in January, 2016, A fourth and fifth guide, **Measuring Monitoring and Reporting** (including Big Data and the Internet of Things) are new guides rather than updates and are scheduled for Q1 of 2016.

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SAG is in the proess of devveloping its editorial calendar for 2016. New topics that have been suggested by the IFMA Board, by chapter liaisons and by sustainability SMEs. Priorities for topics have been determined by Liaison, SME on-line voting. Topics suggested for 2016 include:

Green Procurement
Sustainable Infrastructure, Extreme Climate Change and Mitigation
Financing Business Continuity and Sustainability Investments, Resilience Planning
Healthy Buildings and Employee Productivity
Occupant Engagement

Future

Two new activities related to the guides are being planned. The first relates to integrating more global content into the guides – initially implemented adding a summary chapter of major sustainability initiatives and legislation for non-US countries into all guides and eventually integration of global material into the body of each guide.

The second initiative relates to producing monthly 30 minute free webinars on guides. The first such webinar was given in September 2015 with additional webinars scheduled for 2016.

SAG is seeking SMEs support to update guides, help gather global content, participate in the bi-monthly webinars and in participation in the How-to Guide Task Force.

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Upcoming Meetings

- Tuesday, December 1, 2015 at 12pm CST
- Tuesday, January 26, 2016 at 12pm CST

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Thank you for joining us today.

Questions? Comments?
Want to get more involved? Email us at
sustainability@ifma.org

Contact: Jaclyn Lee

Jaclyn.lee@ifma.org

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