

# ESUS

Environmental Stewardship  
Utilities & Sustainability  
Community

A Community of  IFMA™

ESUS SAG  
Newsletter

Jun 6, 2017

The ESUS Strategic Advisory Group Team + IFMA Board liaison.



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## 1. May Summary of the IFMA IoT Portal ([iot@ifma.org](mailto:iot@ifma.org))

### STATS AND NEWS

- The IoT portal grew from 158 to 176 members in May (a growth rate of 18%) with members coming from 14 countries. Not a member? Send an E-mail [iot@ifma.org](mailto:iot@ifma.org) to join.
- Here is an abbreviated June Sustainability Channel Report from Channel Leader John McGee. The full report appears in the General channel on the SLACK portal.

### *Considerations*

1. *Providing clarity/definition on what IoT needs to deliver to advance sustainability at the (smart) building, portfolio and city levels (“Use Case” equivalent)*
2. *Ongoing updates on who/where/what is happening at the leading edge  
(Note: academia research is more accessible vs business ...due to IP protection?)*
3. *A practical concentration on advancements in the area of WAGES optimization (Water, Gas, Electricity and Stream) – significant bottom line drivers that facilitates the approval of project improvement projects*
4. *With that in mind, I restructured the existing 3 channel leader reports to determine what needs to be excluded from the sustainability channels focus and what should be included – see following*

*The only significant obstacle will be the question: “Does participating on the IFMA Sustainability slack channel help me advance my IoT goals?” This can be overcome by drawing on the knowledge/input of the entire IFMA community to advance the 4 points above – and ensure that the result is new knowledge and insights.*

- The IoT Survey was closed in April. The survey was mailed to the entire IFMA membership as well as portal and some RICS members. Over 1000 responses were received, are currently being analyzed, and results will be posted in June on the IoT portal and elsewhere. Additionally, IoT focus groups are being planned for World Workplace. To whet your appetite for the survey report, below is the result of one of the questions asked in the survey:

Q25 - Check all that apply. From the list below, which primary barriers would prevent you or your organization from implementing IoT solutions?

#	Check all that apply. From the list below, which primary barriers would pre...	Percentage
1	Implementation cost	44.75%
2	Lack of IoT training	42.59%
3	Cyber security concerns	44.75%
4	Lack of data standards	24.38%
8	Information security concerns	42.59%
9	Lack of IoT education	55.25%
5	Other (write-in)	7.10%
6	No barriers at this time	9.88%
	Total	100.00%

- **FM PEDIA** (<http://community.ifma.org/fmpedia/w/fmpedia>)

IFMA supports a Wiki called FMpedia that we can use to define FM (including IoT and sustainability) definitions. The purpose of the glossary is to provide a resource to the international FM/CRE communities, whereby users can look up meanings/definitions of words, add new words, and comment on existing definitions; or simply provide links to additional resources on FM-related subjects. Take a look at the IoT/sustainability words and feel free to edit/add new terms. Existing IoT definitions added this month include: Building Automation Systems, Building Management Systems, Machine to Machine Communications, Internet of Things, and Smart Building.

## **2. ESUS Sustainability Liaison Calls**

The ESUS SAG holds by-monthly sustainability liaison calls on the last Tuesday of the month. The calls normally consist of a presentation of interest to our members as well as an update of recent ESUS activities. The next call will take place on Tuesday June 27 from 12:00-1:00 PM Central. Not receiving notices re. sustainability liaison calls? Contact "Lee, Jaclyn" [jlee@ifma.org](mailto:jlee@ifma.org)

## **3. Welcome to our new May 2017 Sustainability Community members.**

We would like to welcome May's new Sustainability SAG community Members:

Wayne Talbot <[wayne.talbot@verizon.net](mailto:wayne.talbot@verizon.net)>, Heather Browning <[heather.browning@gmail.com](mailto:heather.browning@gmail.com)>, Christopher Cayten <[ccayten@codegreensolutions.com](mailto:ccayten@codegreensolutions.com)>, Dean Lassiter <[dlassiter@ocfair.com](mailto:dlassiter@ocfair.com)>, Brett Pletzke <[bpletzke@air.org](mailto:bpletzke@air.org)>, Scott Whaley <[swhaley@midway.org](mailto:swhaley@midway.org)>, Jom Philip <[jom.philip@yahoo.com](mailto:jom.philip@yahoo.com)>, Dawn Zancan <[dawn.zancan@cwservices.com](mailto:dawn.zancan@cwservices.com)>

We look forward to your participation. We are a volunteer organization so please let us know if you are interested in getting involved in any of our activities or if you have any questions or comments (contact [sustainability@ifma.org](mailto:sustainability@ifma.org)). Please check out previous newsletters on the ESUS Community website for more information on our activities.

#### **4. New May/June eFMJ article on Energy Efficiency**

"Harnessing the Power of Energy Efficient Buildings in the US" appeared in the May/June issue of eFMJ. The article, by John McGee, can be found [here](#).

#### **5. News from *World Workplace Asia 2017***

##### **By Jenny Young, Hong Kong chapter**

"I want to share with you that we just completed the World Workplace Asia 2017 in Hong Kong last week. We had a student competition award presentation ceremony during the conference day. This year, we have 34 finalists forming 11 teams participated in this event, and they come from 6 education institutes. The finalists range from diploma students to master degree students nominated by their professor/program leader to join the competition. A number of student's presentation topics are sustainability related, e.g. Green Roof Projects in Hong Kong, Factors Affecting the Recycling Behaviour of Household in Public Rental Housing in Hong Kong and Health of Green Building Occupants: Both Indoor and Neighbourhood Environment Matter!

Jeff Tafel and Steve Lockwood from IFMA Foundation, and Graham Tier also joined the award presentation ceremony.



As one of the post-conference education events, we have hosted the first **SFP Overview Session** facilitated by Christopher Hodges. This is the first SFP instructor-led class in Asia. I have attached the eDM for your reference. Another post conference event was the Focus Group. IFMA Explores the Internet of Things. Moderated by Susan Sutherland, Head of Corporate Solutions Research, Asia Pacific, JLL. The focus group included representatives from CRE, FM, MEP consultant, insurance company, and facility engineer.

## **6. Save the Date**

a. WWP: Open ESUS Meeting. Wed. Oct 18 @ 8:00-9:00 AM (no room assigned yet) to have an open discussion about the past year's activities and next year's goals and objectives. Breakfast will be served.

b. June Webinar

### **Working with Electric Utilities (Part B):**

#### **IFMA Community Orientation to Electric Utilities**

**Date and Time of Webinar:** Tuesday, June 27, 2017, 2:00-3:00pm Central Standard Time

**Attendee URL:** <https://register.gotowebinar.com/register/1345886178494528770>

#### **Description:**

In many instances, your local utility is operating under an approved commercial/industrial energy-efficiency mandate that requires them to achieve specific levels of energy-use reduction (savings) from their customers. However, waiting for the utility to approach you with their programs may result in missed savings for your operation and for the utilities' energy savings goals. Most, but not all, electric utilities have engineering personnel on staff to directly provide or arrange for technical assistance and, frequently may do so at no cost to their business and governmental customers. The result - electric utilities can play a major support role in helping facility managers and staff gain new and valuable insights into building energy utilization, operating efficiency and alternatives for energy supply and storage.

Join this informative webinar to understand how utilities can positively reduce your energy costs. Knowing and understanding more about utility programs, capabilities, goals and requirements before you connect with them will help you save time and may benefit your operation enormously. **Utilities have always had a vested interest in helping facility managers control energy consumption in their facilities.**

Part A of this webinar, given in conjunction with IFMA's Utility Council in April 2017, was entitled "Working with Electric Utilities - IFMA Community Orientation to Electric Utilities" and can be found at <https://attendee.gotowebinar.com/recording/2196378212865802755>. In Part B of this webinar series (providing insights into what and how), attendees will learn how they can take advantage of their

utility's value-added services - beyond safe, reliable power and understand how to establish a partnership with your utility to assure you don't miss out on vital support and incentives. The emphasis of the webinar will be on providing specific recommendations and actionable advice

**Presenters:**

**Robert S. Mason, Jr. P.E., Chief Solutions Officer, Sulis Energy Solutions**



Bob has worked with investor-owned, cooperative, and municipal utilities throughout his 45-year career. He was instrumental in the development of the nation's first full-service utility power-quality program for all utility customer segments during his tenure at Florida Power Corp. His career focus centers on coupling engineering principles with marketing strategies to achieve highly effective and successful utility program designs. He is a well-known advocate of utilities providing more diversified, competitively-based and technology-oriented services to their customers.

Bob holds Bachelor of Science and Master of Science degrees in Mechanical Engineering from the University of South Florida. He is a registered Professional Engineer in Florida and a member of the engineering honor society, Tau Beta Pi. He also served as an adjunct professor of mathematics and management at Gardner-Webb University and Mitchell Community College in North Carolina.

**John McGee, President & CEO, Sulis Energy Solutions**



John McGee's background includes senior technical, operational, and general management experience in the industrial, commercial and energy sectors. McGee has worked in the semiconductor, industrial

process controls, building controls, facility management, rail & transportation and energy industries with General Electric, Johnson Controls, EMCOR, ABB, Finmeccanica, Ice Energy and Viridity Energy in the U.S., U.K., Germany, Italy and Ireland. Experienced in managing business units from development through commercialization and structuring operations for standardization and scalability, he has developed and executed successful plans for industrial, commercial, government, OEM and wholesale customers.

He served as Chairman of the Board of the International Facilities Management Association (IFMA). He holds European qualifications in software development and several business disciplines as well as a U.S. MBA.

### **Learning Objectives**

1. What assistance can utilities provide to the Facility Managers?
2. What programs are offered to building management and the buildings that utilities serve?
3. How does the Facility professional learn who to contact, what to ask and how to develop a win-win relationship with the utility professional.
4. What significant opportunities are available, from which utility, and to whom?

c. July Webinar

### **[ENERGY STAR: TRAIN THE TRAINER](#)**

**Date and Time of Webinar:** July 20, 2017, 1:00-2:00 PM EST

**Attendee URL:** <https://register.gotowebinar.com/register/7510003450000204291>

Description: One of the most effective ways to improve energy performance in buildings is to measure and monitor consumption. To that end, IFMA has partnered with ENERGY STAR and a team of experts to help the FM community improve building energy performance in our existing facilities. In an effort to expand knowledge, we are equipping facility professionals to become ENERGY STAR trainers so that together, we can improve building performance throughout our communities. In this webinar, we will present an overview of IFMA's ENERGY STAR Challenge and energy benchmarking. Then, led by an experienced trainer, attendees will learn how to articulate the benefits, mechanics, and uses of ENERGY STAR Portfolio Manager. We will show how to make data entry a smooth and efficient process by automating data uploads, entering data in bulk through spreadsheets, and avoiding common errors. Lastly, the webinar will address how professionals can utilize training resources and FAQs on the Portfolio Manager tool.

**Presenters: Zachary Shelin, LEED AP O+M, Associate, The Cadmus Group and Laurie Gilmer, P.E., CFM, SFP, LEED AP O+M, CxA**

## 7. Editorial Calendars for ESUS eFMJ Articles and Webinars

### eFMJ Articles

<b>Proposed eFMJ Article</b>	<b>2017</b>	<b>FMJ Issue Theme</b>
Work on the Move2: Adding Sustainability to the Transformation of the Workplace	Jan Feb 2017	Workspace as a Tool
no article	Mar Apr	Optimizing Operations
A Winning Formula: IFMA + CEP Partnership = Energy Efficient Buildings + Healthier Cities	May/Jun	FM and the Environment
Green Leases: Issues and best practices	Jul/Aug	Safety, Security and Risk
Wellness Benchmarking and certification systems	Sep/Oct	People, Process, Place -Fitwel/Well --
IoT, Analytics, AI and Cloud: Implications for CRE/FM and Sustainability	Nov/Dec	Technology and Next-Generation FM

### Webinars (2017)

Energy and Water Benchmarking – Bringing financial and sustainability value to your building	Jan
COUNCIL - Utilities Part 1: Working with Electric Utilities	Apr
Utilities Part II	June 27 1 PM EST
TRAIN THE TRAINER- ENERGY STAR training for FMs	July 20th, 1-2 PM EST
NO WEBINAR- AUGUST VACATION	Aug
Voice of the Tenant: Green Leases and DoE Tenant Programs	Sep
Wellness Benchmarking and certification	Oct
No Topic Yet	Nov
IoT, Analytics, Big Data, IFMA Portal	Dec

**Mail your ideas for webinar and article topics to [sustainability@ifma.org](mailto:sustainability@ifma.org). In case you missed a webinar, URLs for 2016 and 2017 are as follows,**

Jan 21 Sustainable Procurement:

<https://attendee.gotowebinar.com/recording/4973828137377506306>

Feb 17 ENERGY STAR -

<https://attendee.gotowebinar.com/recording/8637296428037464835>

Mar 8 Getting Started

<https://attendee.gotowebinar.com/recording/6074554726479061505>

May 18: 12 PM Central: Measuring and Reporting -

<https://attendee.gotowebinar.com/recording/4662997302282251010>

June 22: 12 PM Central: Waste Stream Management –

<https://attendee.gotowebinar.com/recording/2311727970939962628>

July 13: Engaging Tenants in Energy Efficiency –

<https://attendee.gotowebinar.com/recording/4255201634878825987>

September 7: Resilience Planning for FMs

<https://attendee.gotowebinar.com/recording/5824908416393568513>

November 8: Energy Storage: Is it Right for Your Building

<https://attendee.gotowebinar.com/recording/288633175935953924>

January 11, 2017: Energy and Water Benchmarking – Bringing financial and sustainability value to your building <https://attendee.gotowebinar.com/recording/6645466250411212546>

April 27, 2017: Working with Electric Utilities (Part A) - IFMA Community Orientation to “Electric Utilities,” <https://attendee.gotowebinar.com/recording/2196378212865802755>

## **8. News from our Third Party Liaisons**

### **Department of Energy**



### **SWAP 3 is live! Watch the cities of Atlanta and Boston take on energy efficiency**

Through the [Better Buildings Challenge SWAP](#), DOE has found a new way to highlight energy leaders and make it fun to see how peer to peer sharing – across very different buildings and businesses --can drive even greater energy and cost savings. Launching today is our third SWAP featuring [the cities of Boston and Atlanta](#). These two very different cities come together to SWAP ideas, jobs and expertise to demonstrate how large metropolitan areas are creating more sustainable communities. Mayors Kasim Reed and Marty Walsh are part of this SWAP as they empower their city energy teams to tackle everything from historic spaces to modern infrastructure



Please send comments and suggestions to:  
[sustainability@ifma.org](mailto:sustainability@ifma.org)