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International Facility Management Association

Empowering Facility Professionals Worldwide

Sustainability Liaison Call
July 28, 2015

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Agenda

- IFMA Updates
- Central PA Chapter support and SAG/SME availability - open up webinar?
- Ideas for Nov/Dec eFMJ and webinar survey
- Summary of the 7/21 Webinar
- Knowledge Strategy Initiative
  - SME's Ideas?
- Trevyr Meader, Green Parking Council

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IFMA Updates

World Workplace 2015: Save the Date!

Sustainability Meeting

Thursday, October 8, 2015

5:15 – 6:00 Room 305

(Educational sessions end at 5:00)

REMINDER: Early bird pricing ends August 15, 2015.
Register early and save $100USD!

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LIAISON MEETING
July 28, 2015

SAG Agenda

1. **SAG Chapter Support**
2. **SAG Strategic/Tactical Issues**

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1. Chapter Support

- Indirect: eFMJ, How-to Guides, webinars, polls/surveys, ESS COM, Town Hall meetings
- Direct
  - Liaison Calls
  - Chapter meeting participation (Central PA)

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Audio for July 21 Webinar
https://attendee.gotowebinar.com/recording/2700678002748202498

3. Marketing/Education/Outreach

a. eFMJ

- ☑ Nov-Dec 2014 – Annual report, new initiatives
- ☑ Jan-Feb 2015 – GRI, WWP Town Hall meeting, Strategy
- ☑ Mar-Apr 2015 – Emissions, Net Zero Energy
- ☑ May-Jun 2015 – New Info on How-to Guides (MM+R (3), lighting (2), green rating systems (1), ENERGY STAR (4)
- Jul-Aug 2015 **–** Town Hall, SAG/BOD report,
- ☑ **Sep-Oct** 2015 (July 15 deadline) Occupant Engagement (Putnam)
- **Nov-Dec 2-15 (Sept 15 deadline) (based on poll),**

b. Webinar (follow theme of eFMJ, format)

- ☑ Jan. 27 – Initiatives, GRI, Town Hall, Future Strategy
- ☑ March 24 – Emissions, Net Zero (confirmed) – Laurie, Christopher (on 3/24, 11:00 AM Central, see COM)
- ☑ May 19 – Guide updates (GRS, lighting, ES) and new guide (MM&R)
- ☑ **July 21 -** (based on survey) SAG, EVS, LEEP
- **Sep (Occupant Engagement – Cynthia and team)**
- **Nov (result of poll)**

SUGGESTIONS for topics re next (Nov, 9/15 eFMJ deadline) eFMJ/WEBINAR, AUTHOR/SPEAKER: Financing Retrofits, Green Purchasing, S. Infrastructure, Green Purchasing , Healthy Building (will put out as Survey Monkey to Liaisons/SMEs)

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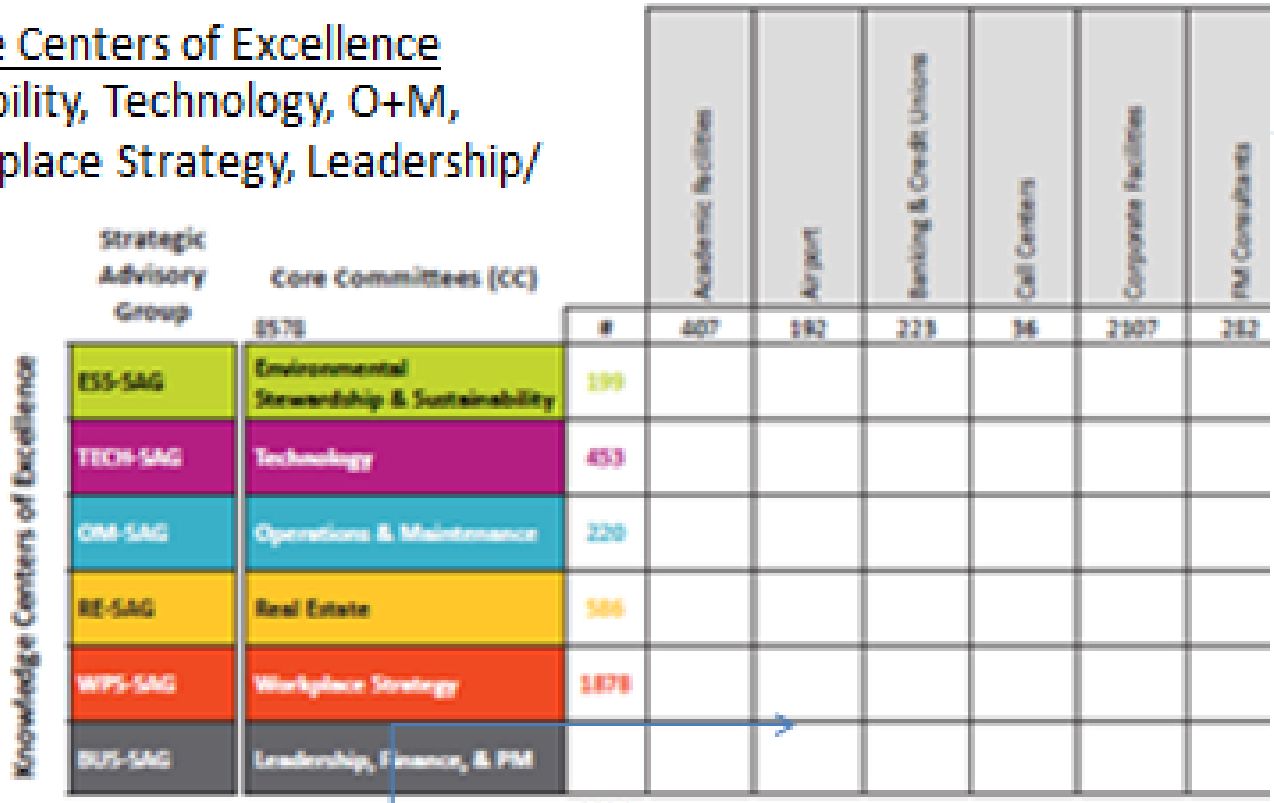
Knowledge Centers of Excellence

Sustainability, Technology, O+M, RE, Workplace Strategy, Leadership/ Finance



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Initiative GAP Analysis - Issues

1. How enlarge/energize pool of volunteers to execute

Jaclyn contact chapters globally; set up webinar or SAG visit at chapter meeting (e.g., Central PA chapter)?

Get involvement from non-IFMA members (CEP/NRDF)

Break initiatives into sub-tasks (SAG does next steps/roadmap)

?

2. How mobilize pool of volunteers

Communication between SAG and/or liaisons and volunteers on a regular basis

?

3. How get more resources (initiatives/administration)

Approach funding organizations (e.g., Bloomberg, Kresge, DoE, Sponsors…)

?

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Guest Speaker:

Trevyr Meade

Green Parking Council

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LEEP

The Lighting Energy Efficiency in Parking Campaign

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Why the LEEP campaign?

- State-of-the art lighting technologies can last 2 to 5 times longer than traditional outdoor lights.
- These systems pay for themselves quickly by cutting energy costs up to 70% and maintenance costs up to 90%.

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Why is this important?

- If we installed high-performance lighting systems on half the nation's streets and in half of our parking lot and garages, we could save the amount of electricity consumed by 4.4 million U.S. households each year, equal to:
  - 48 Billion kWh
  - $4.9 Billion

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What is LEEP?

- The Lighting Energy Efficiency in Parking (LEEP) Campaign offers free guidance and recognition to facility owners and managers interested in implementing energy efficient lighting solutions in their parking facilities.
- Campaign members have unique access to the technical expertise of the Department of Energy, and may be recognized for their achievements.

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Who has participated?

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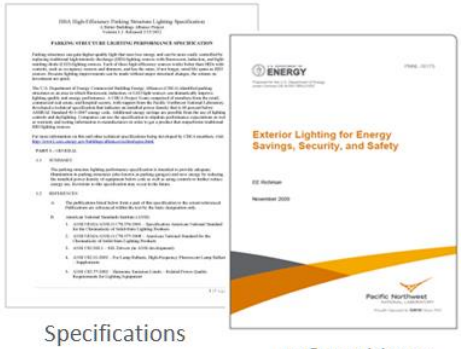
Who is LEEP?

Collaboration and Resources

BOMA International · Green Parking Council · IFMA International Facility Management Association · FEMP Federal Energy Management Program · Better Buildings U.S. Department of Energy Better Buildings Alliance

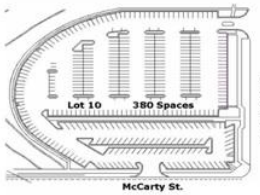
DOE provides tools and technical assistance to Participants in helping the Campaign Organizers maximize participation

Case Studies



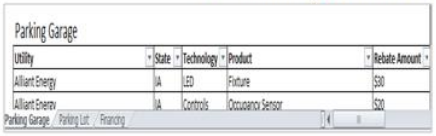
Specifications

M&V guidance

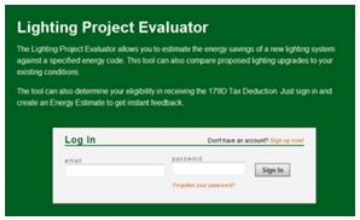


Technical Assistance (limited)

List of utility incentives



Design Vignettes



Energy Estimator to compare against code

LED lighting facts® A Program of the U.S. DOE

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

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Why is LEEP relevant to IFMA?

- Facility management is a profession that encompasses multiple disciplines to ensure functionality of the built environment by integrating people, place, process and technology.
- The integration of sustainability into the facility management process is a natural fit. Facility management professionals have long been concerned with and engaged in the environmental aspects of the facilities they operate, especially from the perspective of energy conservation and high-performance buildings.
- IFMA is committed to being the thought leader in sustainability and is dedicated to enhancing the capacity of its members to meet the challenges of sustainable facility management.

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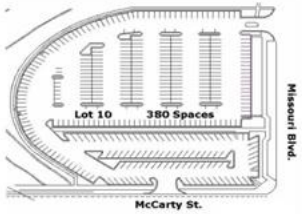

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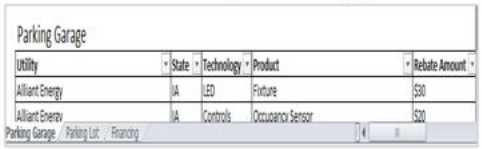

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Achieve

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Kimco: Lighting Program Results

- **Gateway Lighting Controls Program**
  - Faster resolution of site lighting issues
  - Energy Savings of ~18% on sites with night lighting opportunities (11% overall)
  - 2014 LEEP Campaign Winner
- **Lighting Assessment Program**
  - National lighting project volume increased by 10x largely due to standardized and reliable assessment program
  - Assessment report is now the standard reference for lighting conditions and design
  - Proposed budgets have been within 10-20% of actual costs for most projects
- **Illumi-Nation Lighting Retrofit Program**
  - Performing approx. $8 million in retrofits across approx. 100 properties
  - LED has become standard specification within the last year
  - Project energy savings are normally within 30-60%
  - Minimum light levels and uniformity are improved dramatically
  - Central distribution model is saving 20-40% of material costs
  - Local installation model is maintaining respect and ownership of local contractors
  - Integration of wireless controls is in progress but pilot is performing well

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2015 Awardee example

Gortner Ave Parking Structure
University of Minnesota

- Location: 1395 Gortner Ave, St. Paul, Minnesota
- Total Square Feet: 245,375
- Total Parking Spaces: 755
- Key Features: Medium wattage high pressure sodium with low wattage LED and lighting controls.
- ROI/SPB or Economic Story: Simple payback of 5.1 years

	Existing	New	Annual Energy Savings	Percent Savings
Energy Use	470,568 kWh	51,240 kWh	419,329 kWh	89%
LPD	0.22 W/sf	0.07 W/sf	---	

Category: Highest Percentage Savings in a Retrofit at a Single Parking Structure

Category: Best Use of Lighting Controls in a Single Facility

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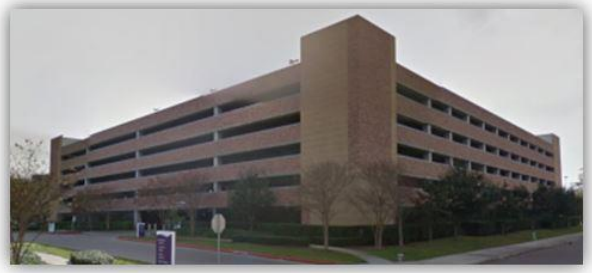
2015 Awardee example

Beaumont Harrison Garage
CHRISTUS Health



- Location: Beaumont, TX
- Total Square Feet: 4,161,000
- Total Parking Spaces: 11,562 (9 Structures & 5 Lots)
- Key Features: Conversion from high pressure sodium and metal halide to LED and lighting controls

	Existing	New	Annual Energy Savings	Percent Savings
Energy Use	913,739 kWh	122,053 kWh	791,686 kWh	87%
LPD	0.33 W/sf	0.05 W/sf	---	

Category: Highest Percentage Savings in a Retrofit at a Single Parking Structure
Category: Exemplary Healthcare Parking Facility(s)

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2015 Awardee example

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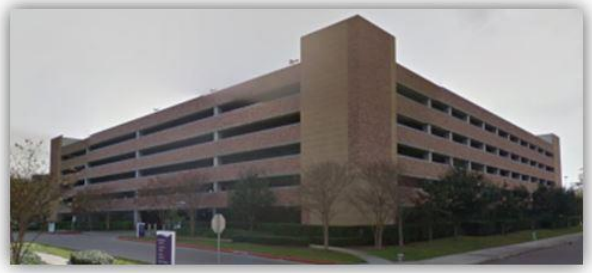

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2015 Awardees

Awardee	Category
Arby's Restaurant Group	Highest Percentage Savings in a Retrofit at a Single Parking Lot
Arby's Restaurant Group	Exemplary Retail/Commercial Parking Facilities
Army Reserve 63rd Regional Support Command	Highest Percentage Savings in a Retrofit at a Single Parking Lot
California State University, Fullerton	Exemplary Higher Education Parking Facilities award
CHRISTUS Health, a CBRE managed site	Highest Percentage Savings in a Retrofit at a Single Parking Structure
CHRISTUS Health, a CBRE managed site	Exemplary Healthcare Parking Facilities award
Cox Automotive Group, Manheim New York	Highest Absolute Annual Savings in a Retrofit at a Single Parking Lot
Detroit Airport	Highest Absolute Annual Savings in a Retrofit at a Single Parking Structure
Detroit Airport	Largest Portfolio-wide Annual Absolute Energy Savings
Denver International Airport	Exemplary Airport Parking Facility award
Equity One	Best Use of Lighting Controls in a Single Facility
General Services Administration Northwest Arctic Region	Exemplary Federal Parking Facility award
Granite Properties	Exemplary Office/Industrial Parking Facility
Kimco Realty Corporation	Largest Absolute Number of Facility Upgrades
Kimco Realty Corporation	Largest Absolute Area of Facility Upgrades
Kimco Realty Corporation	Best Use of Lighting Controls in a Single Facility

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2015 Awardees

Awardee	Category
Marine Corps Base Camp Pendleton	Highest Percentage Savings in a Retrofit at a Single Parking Lot
New Ecology	Highest Percentage Savings in a Retrofit at a Single Parking Lot
New Ecology	Exemplary Residential Parking Facility
New Ecology	Best Use of Lighting Controls in a Single Facility
Perry Central School District	Highest Percentage Savings in a Retrofit at a Single Parking Lot
Perry Central School District	Exemplary Federal Parking Facility
Principal Real Estate Investors	Highest Percentage Savings in a Retrofit at a Single Parking Lot
Principal Real Estate Investors	Largest Percentage of Facilities
University of Minnesota	Highest Percentage Savings in a Retrofit at a Single Parking Structure
University of Minnesota	Best Use of Lighting Controls in a Single Facility
USAA Real Estate Company	Highest Percentage Savings in a Retrofit at a Single Parking Structure
USAA Real Estate Company	Exemplary Office/Industrial Parking Facility
Zappos.com, Inc.	Best Use of Lighting Controls in a Single Facility
Zappos.com, Inc.	Exemplary Office/Industrial Parking Facility

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Principal Real Estate Investors	Largest Percentage of Facilities
University of Minnesota	Highest Percentage Savings in a Retrofit at a Single Parking Structure
University of Minnesota	Best Use of Lighting Controls in a Single Facility
USAA Real Estate Company	Highest Percentage Savings in a Retrofit at a Single Parking Structure
USAA Real Estate Company	Exemplary Office/Industrial Parking Facility
Zappos.com, Inc.	Best Use of Lighting Controls in a Single Facility
Zappos.com, Inc.	Exemplary Office/Industrial Parking Facility

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LEEP Lessons

Key Issues:

- Long lead times for site selection → design → construction means that many sites will not have been completed by end of Campaign
- Participants do not always provide all the needed site information

Lessons Learned

- Significant industry interest in a variety of approaches/technologies.
- More interest in awards than we thought!
- “Campaigns” are successful when you have; key partners with significant market share and parallel mission; market interest in the application; engagement and leadership by industry leaders; and recognition to help track and document success.

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LEEP 2016

- 2016 LEEP Campaign Awards will be announced at the 2016 International Parking Institute Conference & Expo at the Gaylord Opryland Resort in Nashville, TN.
- May 17 – 20, 2016
- More information in Autumn 2015

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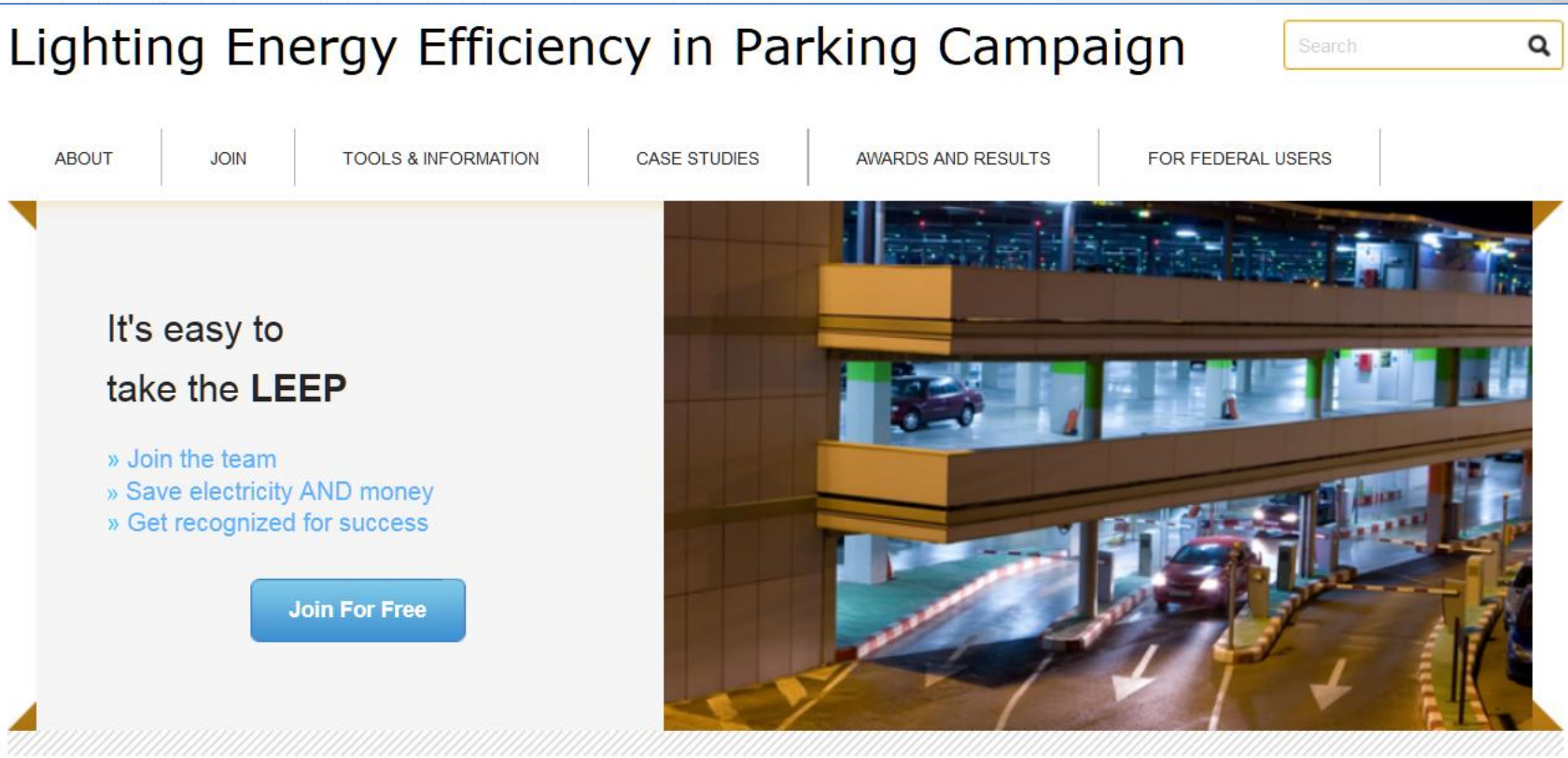

www.leepcampaign.org

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Next Meetings

- Tuesday, August 25th at 12pm CST
- Tuesday, September 29th at 12pm CST

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Thank you for joining us today.

Questions? Comments?
Want to get more involved?

Contact: Jaclyn Lee
Jaclyn.lee@ifma.org

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