



December 15, 2016

President's Update



Members,

As the year comes to a close, I want to express my appreciation for all that we have accomplished together this year. SGIP had a very good year, which is a direct result of the many hours of hard work put in by our volunteer community.

As we wrap up the year, my focus is on 2017 and what it means to SGIP. I am optimistic about our work and impact on the industry, even with a new President taking office on January 20, 2017. At the time that I am writing this note, President-elect Donald Trump will nominate former Gov. Rick Perry (R-Texas) as the next Secretary of Energy. There is speculation about what the future holds, and I have

no crystal ball to shed light on Trump's plans.

I can tell you that our SGIP focus will remain steadfast for 2017 in our defined areas of Distributed Energy Resources (DER), Energy IoT (embracing the Internet of Things technology for our energy sector), helping utility businesses by promoting standards and championing interoperability, and cybersecurity (because our grid is more connected). I believe our focus areas are the right ones, as the need and drivers for our work remain regardless of the new administration's position on clean energy.

DER is happening and its impact will continue to increase, because businesses and consumers want it. Our infrastructure projects are more connected and will continue to be so, which gives rise to the need for strong cybersecurity, interoperability and standards, all of which we will use to enable industry innovation and new entrants while keeping integration costs down.

Interoperability reduces risk by reducing single technology or company lock-in. So while the uncertainty looms regarding Trump's policy on energy, we at SGIP will not be losing sleep wondering if we are doing the right things. Our focus is correct, our motivation and optimism are high, and I look forward to making 2017 our best year yet.

Happy Holidays to all of you. I hope you have time to recharge, and I look forward to seeing you in the New Year.



Sharon Allan
President and CEO

Announcements

Utility Pricing Metric Keeps Pace with Grid Modernization

[Earlier this week](#), SGIP released a white paper that will help utilities evolve their pricing models to accommodate smart grid technologies and offer higher quality services to their customers. The *Economic Value of the Integration of Consumption Preferences in Electric System Planning* [white paper](#) was written by industry leaders in the [Home/Building/Industry-to-Grid Domain Expert Working Group](#) from SGIP.

>> [Read More](#)

International Organization for Standardization (ISO) Approves Standard that Integrates Control Technologies into the Grid

The [International Organization for Standardization \(ISO\)](#) has officially approved [ANSI/ASHRAE/NEMA Standard 201-2016, Facility Smart Grid Information Model \(FSGIM\)](#), which helps electrical energy consumers participate in smart grid networks. The standard, published earlier this year by [ASHRAE](#) and the [National Electrical Manufacturers Association \(NEMA\)](#), provides a common basis for consumers to describe, manage, and communicate about electrical energy consumptions and forecast. This basis facilitates information exchange between control systems and end-use devices, thereby supporting two-way flow of electricity.

>> [Read More](#)

Transactive Energy Landscape Scenarios White Paper

Today, SGIP announced the release of a white paper to help utilities, regulators, and policymakers advance their understanding of transactive energy (TE) and how it can help integrate distributed energy resources (DER) in smart grids. [Transactive Energy Application Landscape Scenarios](#) is a free resource from SGIP's Transactive Energy Coordination Group. It examines the application of transactive techniques to different grid operational scenarios, which include business functions, actors in different smart grid application domains and more.

>> [Read More](#)

PMO Update

From Aaron Smallwood, SGIP VP Technology

Department of Energy Gives Orange Button a High Mark

Following the Q3 review of the Orange Button initiative, I'm pleased to say the DOE has given the Orange Button project a green status.

In the past year, SGIP and its partners have completed a scoping study for the initiative, and we're currently working on the Market Requirements Document, which will be finalized in early 2017. This progress has been met with DOE approval, and we will go through the continuation decision process with DOE for Orange Button in January and February.

Major Milestone Accomplishments in 2016 for OpenFMB

As this year wraps up, I'm proud of the accomplishments SGIP and our partners have made in 2016 for [Open Field Message Bus \(OpenFMB\)](#), which is an architectural framework helping to enable smart grids through distributed intelligence at the grid edge. Read the full Update below to learn about our most proud accomplishments from 2016.

Update on the Catalog of Standards

In January 2017, the SGIP PMO will facilitate a ballot process for SGIP members to evaluate and decide inclusion of five candidate standards into the Catalog of Standards. There are five candidates to be voted on for entry into the SGIP Catalog of Standards. Click below to read all about the candidates, voting eligibility, registering to vote, and more!

[Click here for the full Update.](#)



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SGIP News

Announcing the SGIP 2017 Board of Directors

Thanks to the SGIP Community for your participation in electing the SGIP 2017 Board of Directors. SGIP congratulates and welcomes the newly elected board members. Additionally, SGIP appreciates and wishes to thank the board members whose terms are coming to a close for their ongoing commitment, time and dedication.

ASSET OWNERS

Bruce Edelston
Southern Company
 Vice President,
 Energy Policy

Term Expires: Dec-2017



Raiford Smith
Entergy Services, Inc.
 Vice President,
 Energy Technology &
 Analytics

Term Expires: Dec-2018



Michael Bates
Intel
 Global General Manager
 of Energy

Term Expires: Dec-2017



Aaron Snyder
EnerNex
 Director,
 Technology Services

Term Expires: Dec-2018

AT-LARGE**CONSUMERS, POLICY
& GOVERNMENT**

Nick Wagner
Iowa Utilities Board
 Commissioner

Term Expires: Dec-2017



David Wollman
NIST
 Deputy Dir., Smart Grid &
 Cyber-Physical Systems
 Program Office, Eng. Lab.

Term Expires: Dec-2018



Gary Rackliffe
ABB, Inc.
 Vice President,
 Smart Grids North America

Term Expires: Dec-2018



Robby Simpson
GE Grid Solutions
 System Architect

Term Expires: Dec-2017

MANUFACTURERS**SDOS &
CONSORTIA**

Bill Ash
IEEE Standards Association
 Strategic Technology
 Program Director

Term Expires: Dec-2018



Tony Thomas
NRECA
 Principal Engineer,
 Energy & Power Division

Term Expires: Dec-2017



Andres Carvallo
CMG
 CEO

Term Expires: Dec-2017



David Forfia
ERCOT
 Director,
 IT Projects

Term Expires: Dec-2018

SERVICE PROVIDERS

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SGIP 2016 Grid Modernization Summit Survey Results

We are so glad you attended the 2016 SGIP Grid Modernization Summit! We had a great time and hope you did, too. We hope you will enjoy the below resources from the event:



- [Click here](#) to access a photo library of the Summit and relive the program, speakers and networking activities shared in Washington, DC.
- [Click here](#) to read an article recapping the Summit.

We also appreciate the time spent by those who took the 2016 Grid Modernization Survey. We learned valuable information from your responses, including:

- **Average satisfaction rating** for each part of the event
- How much you enjoyed the **various elements of the meeting facilities**
- Range of **suggested topics for next year's summit**

Lastly, we were excited to be able to draw a **winner for the Amazon gift card!** Congratulations to Amy Erwin from SRP for winning the drawing! Enjoy your gift card!

Check out the results of the survey [here](#) or click below. Once again, thank you for your participation and support – we couldn't do what we do without you.

Survey Results

Economic Value of the Integration of Consumption References in Electric System Planning

[Released earlier this week](#), this white paper identifies the underlying economic basis for industry decision-makers to select among electric-energy alternatives. In the electric energy market, the metric to be used is the price for a unit of energy that is delivered at a specific time and place. The application of this metric provides a basis for determining economic value for both supply and demand alternatives. In term, determining economic value will help you identify the most economically-efficient alternatives providing greatest customer value and investment opportunity.

Read More

SGIP Published Articles

Taking a Closer Look at SGIP's Grid Management Work Group

This article was recently published in Metering & Smart Energy International.

Sharon Allan, President and CEO, SGIP

"The Smart Grid Interoperability Panel (SGIP) launched its new utility-led work group earlier this year to explore the technologies, concepts, capabilities and architecture principles required to manage a more complex grid."

>> [Read the full article](#)

Back on Campus with Sharon Allan, Class of 2007
On the Edge: What SGIP is Doing to Support DER Proliferation

This article was published in the [World Generation Magazine Nov/Dec issue 2016](#).

"Do you remember the late 1990s, when Apple was very much an underdog fighting for its share of the computer-market bone? IBM's slogan was "Think," so Apple ran with "Think Different." ...I recall this marketing success because I want utilities to take a cue from Apple: Think different. If you're not already doing so, now would be a good time to start."

>> [Read the full article](#)

Green Ovations | Open-Source Smarts: How OpenFMB Supports DER Management

This article was published in the [Electric Energy Online Nov/Dec Issue 2016](#).

Aaron Smallwood, VP Technology, SGIP

"If there's one kind of system that just about every firm has, it's a database. And, guess what? About 25 percent of relational databases are created with open source software. At SGIP, we are encouraging the industry to embrace open source solutions like Open Field Message Bus, or OpenFMB."

>> [Read the full article](#)

SGIP Member Survey



Thank you for being a part of the SGIP community! We value your feedback, so please take the following SGIP 2016 Member Survey and tell us how you feel about SGIP and your membership.

To thank you for your time, there will be a drawing for **two** \$50.00 USD Amazon gift cards. To participate in the drawing, include your contact information in this survey.

The last day to participate in the SGIP 2016 Member Survey has been extended to **January 6, 2017**.

Make your vote count! Like last year, our 2016 Member Survey includes a Net Promoter Score (NPS) measurement and question. Understanding NPS is key to making your vote count. [Click here to read about scoring.](#)

[Take the Survey](#)

SGIP CEO Sharon Allan Joined Webinar on DER Integration

Earlier this month, SGIP President & CEO Sharon Allan shared her insight on Distributed Energy Resources (DER) integration with other industry leaders in a webinar, hosted by Greentech Media, titled, "The Road to Seamless DER Integration and Stops Along the Way." Presenters addressed technology requirements for DER, standards to meet those requirements, regulatory issues, business changes, and current activities for integration. Click below to read the full recap from the webinar.

>> [Read More](#)

Guidelines for Use of OpenFMB Trademark

SGIP is currently developing certification standards and procedures for OpenFMB. After finalization of these standards and procedures, you will need to be certified by SGIP or SGIP's agent to continue to use the OpenFMB trademark. Until these standards are finalized, you may use the OpenFMB trademark to indicate you are developing products or services under this standard, subject to the guidelines found at the link below.

>> [Read More](#)

Contribute to *The Conductor*

SGIP's monthly newsletter isn't just an opportunity for you to hear from other thought leaders - it's also your chance to share your views and accomplishments with the industry and the SGIP community. If you have opinions, initiatives or upcoming events that can help others in grid modernization, they can be published in *The Conductor*.

Your insight and work could be promoted in several ways:

- **Articles**
- **Case Studies and White Papers**
- **Webinars**
- **Conferences**



>> [Click here for more details on how you can contribute](#)

If you would like to contribute to *The Conductor*, contact Gabrielle Puccio, Vice President of Member and Public Affairs, at gpuccio@sgip.org.

SGIP Webinars You May Have Missed

SGIP NIST Cybersecurity Framework Implementation Case Study Webinar

The SGIP NIST Cybersecurity Framework Implementation Case Study provides a real-world approach that electric utilities can follow to implement the NIST Cybersecurity Framework. This document was developed by SGIP and the Electric Utilities. The case study leverages existing guidelines such as the NIST Cybersecurity Framework, DOE Energy Sector Cybersecurity Framework Implementation Guidance, DOE Electricity Subsector Cybersecurity Capability Maturity Mode (ES-C2M2), and the DOE Cybersecurity Risk Management Process (RMP).

[Click here](#) to see the webinar replay.

[Click here](#) to download the webinar PowerPoint slides.

2016 Year In Review Webinar

2016 was a busy year in SGIP and the energy industry. Watch the replay of the “2016 Year in Review” webinar for a review of this year’s accomplishments in the technical and marketing/membership programs. Presenters included SGIP Staffers Aaron Smallwood, Dave Hardin and Gabrielle Puccio.

[Click here](#) to see the webinar replay.
[Click here](#) to download the webinar PowerPoint slides.

OpenFMB Collaboration Site and Repository Webinar

On November 8 at our 2016 Grid Modernization Summit, SGIP launched the OpenFMB Collaboration Site at www.openfmb.io. For those unable to attend the Summit, this webinar is a walk-through of the site and resources including:

- OpenFMB Code and how to use it
- OpenFMB Use Cases
- Wiki, resources, and useful links

[Click here](#) to see the webinar replay.
[Click here](#) to download the webinar PowerPoint slides.



Did you miss any other SGIP webinars?

If you missed a webinar that interests you, no worries. You can find recorded webinars and a list of upcoming webinars by [clicking here](#).

SGIP-hosted Events

Evaluation of the Electromagnetic (EM) Phenomena Issues on Smart Grid Reliability Webinar January 17, 2017

This webinar will describe the EM environment and the tests that can be used to show the reliability and interoperability of Smart Grid devices. Three experts in EM supporting the SGIP Electromagnetic Interoperability Issues Working Group (EMIIWG) will present the webinar. [Click here for more info.](#)

Date and Time: Tuesday, January 17, 2017; 1:00 – 2:00 p.m. EST

Speakers:

- Don Heirman, President, Don HEIRMAN Consultants, LLC
- Jerry Ramie, Principal and EMIIWG Member, Arc Technical Resources, Inc.
- Bill Radasky, President, Managing Engineer and EMIIWG Member, Metatech Corporation

Register

Grid Management Group Meeting at DistribuTECH January 30, 2017

DistribuTECH, which brings together 11,300+ electric energy experts from more than 70 countries, is January 31 to February 2, 2017 in San Diego, California. However, the SGIP Grid Management Group will get a head start on the conference by meeting a day early on **January 30** in room 27B at the San Diego Convention Center (the same location as the conference) from **1:00 p.m. to 4:00 p.m.**

In this utility-only meeting, participants will discuss sourcing requirements for utility systems as a result of high penetration DER, and some will share information from recent RFIs/RFPs related to the group. To learn more about the Grid Management Group and other SGIP committees, [click here](#). If you are interested in attending the meeting, contact Sharon Allan at sallan@sgip.org.

Where SGIP is Speaking

SGIP CEO Sharon Allan to Speak at the Utility Women Networking Breakfast at DistribuTECH

Sharon Allan, President & CEO at SGIP, will be speaking at the [Utility Women Networking Breakfast](#) at DistribuTECH 2017! When you want to connect with other women in your industry, where do you go? When you're searching for a mentor, how do you find one?

The Enterprise Software product group within ABB has designed an exclusive venue to bring you together with other women executives in the utility industry. You'll get to know women who've influenced positive change in their businesses, who want to share their personal career journey with you and who can't wait to hear your story.

Start your day at DistribuTECH 2017 at the 3rd Annual Women's Networking Breakfast. You may just find your mentor.

- **Date:** February 1, 2017
- **Time:** 8 AM – 9:30 AM
- **Room:** 31BC
- **Cost:** \$35 until December 31, 2016 (includes breakfast)

Industry News and Events

Putting Orange Button to Work

[kWh Analytics](#), along with SGIP and two other organizations, is an awardee for the [SunShot Orange Button](#) initiative, which is working to streamline the way the solar industry manages data. The company has been at the forefront of working with non-standard data sets in the deployment of their risk management services. kWh Analytics is leveraging their experience to create software that translates non-standardized data formats into the Orange Button standard. The new format allows them to expand their product offering to other risk management solutions, such as a new energy production insurance product that greatly improves the solar industry's cost of capital. You can read their [latest newsletter](#) for more details.

DistribuTECH to Gather in San Diego

More than 11,000 electric energy leaders from more than 70 countries will share their knowledge and collaborate at the [DisribuTECH conference](#) at the San Diego Event Center in San Diego, California, January 31 to February 2, 2017. The conference will cover advanced metering, asset management, data analytics and much more.

SGIP Members: Don't forget to **SAVE 10%** on your individual full conference registration! [Click Here](#) to register.

Enbala Named #1 Virtual Power Plant (VPP) Software Provider

Enbala has been named by Navigant Research as the #1 Virtual Power Plant (VPP) software provider! Enbala scored higher on *VPP Strategy* than any other company ranked in the report, including a perfect score of 100 for its VPP vision. Congratulations to our SGIP member for achieving this significant milestone in the world of distributed energy resource management. Click [here](#) to read the full announcement.

Connect with SGIP



LinkedIn Update

We encourage our group members to follow our SGIP Company Page to stay up-to-date on the latest SGIP and industry news. If you don't already, [Follow Us](#) today.

Happy Holidays



Thank you for your support
and partnership this past
year. We wish you tidings of
joy and a happy, prosperous
holiday season and new year.

Warmest regards,
Your friends at



Please note:

SGIP will be closed December 23, December 26, and January 2.
Enjoy your holiday season!

[Visit Our Website](#)

Smart Grid Interoperability Panel | 401 Edgewater Place, Suite 600 | Wakefield, MA 01880

STAY CONNECTED

