

THE CONDUCTOR

News & Activities of SGIP



December 3, 2015

President's Update



Dear Members and Stakeholders,

First I would like to welcome Aaron Smallwood to our team at SGIP. Aaron is taking over Stuart McCafferty's position as the Director of Technical Operations. Aaron is coming to us from ERCOT, where he was the Director of IT Operations. Please help us welcome Aaron to SGIP.

Additionally, I wanted to thank the Department of Commerce and NIST for awarding SGIP the Smart Grid Interoperability Standards Cooperative Agreement Program Federal Funding Opportunity. This award will provide SGIP \$2.1 Million of support over two

years. If you're interested in reading the press release on this new funding opportunity, [please click here.](#)

Finally, with the holidays approaching SGIP will be closed on December 24th and 25th, will close a half day on December 31st, and will be closed on January 1st. SGIP wishes you all a very happy and healthy holiday season, and we look forward to working with you in the new year.

Regards,

A handwritten signature in blue ink that reads "Sharon S. Allan". The signature is written in a cursive, flowing style.

Sharon Allan
President & CEO

Annual Conference Recap Now Online!





"Beautifully run conference which provided extremely valuable insight into the utility industry and some great networking opportunities. The information gathered and contacts made were well worth the cost and effort to attend."

SGIP would like to sincerely thank all of you for attending 2015 Annual Conference in New Orleans! We hope that you enjoyed our phenomenal speakers, panels and networking receptions. The Vendor Expo and Energy IoT™ and OpenFMB™ live demo was a great success.

One of our attendees at SGIP's 2015 Annual Conference stated, "The SGIP 2015 Annual Conference expertly blended an incredible lineup of Smart Grid technology experts, relevant and timely topics, leading edge live demonstrations, and excellent networking opportunities. It is a must-see event for 2016."

Please [click here](#) to view the available presentation materials.

Watch your e-mail for updates for next year's Annual Conference.

Win a \$50 Amazon Gift Card!



SGIP Members, check your e-mail for our membership survey.

The objective of this Membership Survey is to provide a baseline for member satisfaction. SGIP is attempting to take the temperature of how well we are doing, and how our members feel about us.

For completing the survey, two people will be chosen at random to win one of two Amazon Gift Cards valued at \$50 each.

The survey ends December 11, 2015 at 5:00 PM EST.

If you have any questions regarding the membership survey or if you need any

additional information, please contact Amanda N. Thaxton at athaxton@sgip.org.

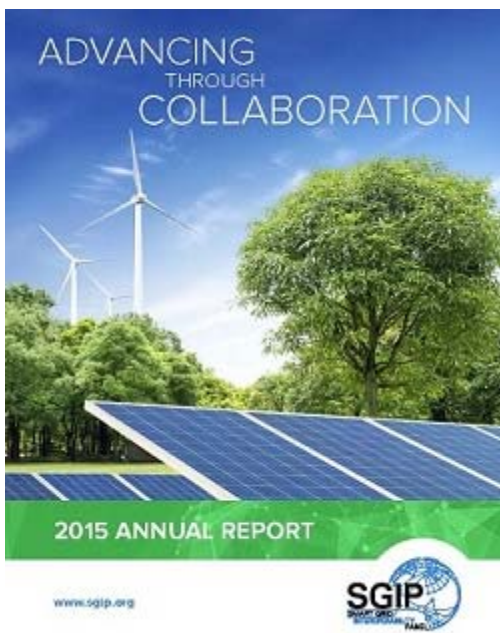
SGIP Strategy Document in Kavi

SGIP's Strategy Document is currently in Kavi for members to view. The purpose of this document is to outline SGIP's goals and objectives for 2016.

If you are an SGIP Member, to view this document, [please click here](#). If you have any questions about the SGIP Strategy Document, please contact Sharon Allan at sallan@sgip.org.



SGIP Annual Report Now Available Online



SGIP's 2015 Annual Report is now available on the SGIP website. The Annual Report covers everything we have accomplished in 2015.

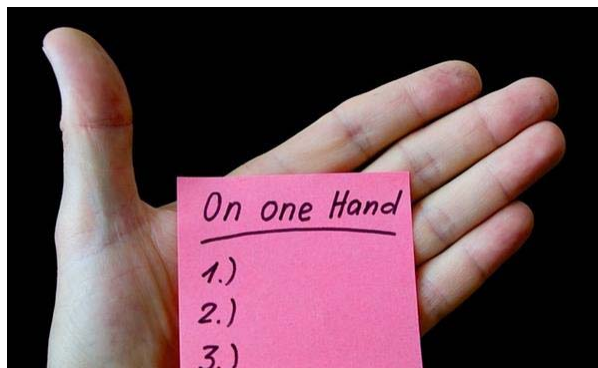
SGIP began the year with three focus areas which included Cybersecurity, Energy IoT™ OpenFMB™, and Test Beds. We are pleased to have added a lead for our cybersecurity efforts and will publish our first results of the NA Catalog of Test Bed Report by year end. The progress on our focus areas, along with the addition of 6 new standards to the Catalog of Standards (totaling 75), is very positive.

Please [click here](#) to view the 2015 Annual Report. If you have any questions regarding the Annual Report, or need additional information, please contact Gabrielle Puccio at gpuccio@sgip.org.

2015: Industry Takeaways

So what were the big takeaways for 2015?

1. **It's not about the app, it's about connectivity.** 1. It's not about the app, it's about connectivity. Utilities want to figure out ways to better connect with their customers. While there are tons of apps out there, until business practices are streamlined for connectivity they're of little use. ([Source](#))



2. **Smart metering 2.0.** Smart metering 2.0 is underway, it's the issue of getting there. Many utilities are still rolling out the initial smart meters, but are struggling to get the data they need from it ([Source](#))
3. **Internet of Things.** IoT (the Internet of Things) is largely focused on the consumer side, but poised for impact is smart energy delivery. ([Source](#))
4. **Every Industry is turning to big data.** From energy to oil, everyone is turning to big data to make their companies more profitable. Those that use the data in the most effective ways, will be the most profitable. ([Source](#), [Source](#))
5. **Solar, Wind, & Geothermal.** Consumers are rallying for clean energy, and many utilities are scrambling to keep up. Wind farms in Texas, Solar Panels in Arizona and New Mexico, there are ways for utilities to keep this progression moving forward. ([Source](#), [Source](#), [Source](#))



SGIP Speaks at Grid Modernization Forum



John Gillerman, Director of Technology Development, has been invited to speak at the Grid Modernization Forum, January 19-20, 2016 in Chicago, Illinois.

The forum is a two-day educational and networking event that closely examines lessons learned to date by industry leaders who are pushing the frontiers of grid modernization and evolution. This will be a unique opportunity to interact with key professionals who are leading the way toward the integrated, interoperable, and resilient energy network of tomorrow.

Join John and these SGIP members at this amazing forum:

- Jeffrey D. Taft, PhD, Chief Architect, Pacific Northwest National Laboratory
- Dr. Shay Bahramirad, Director of Smart Grid, ComEd
- Joseph Paladino, Senior Advisor, U.S. Department of Energy
- Wade Malcolm, CEO, North America, Omnetric Group
- Barbara Bauman Tyran, Director, Washington & State Relations, EPRI
- Nathan Adams, General Manager, Microgrid Solutions, N. America, ABB
- Susan Covino, Senior Consultant, Emerging Markets, PJM Interconnection

[For more details on this event, click here.](#)

Please Welcome Aaron Smallwood to SGIP!



Aaron has been in Information Technology for 20 years and in the utility industry for the last 15 years. As Director of IT Operations at the Electric Reliability of Council of Texas



(ERCOT), Aaron was responsible for the multi-data center IT operations of ERCOT's real-time grid and market systems, deregulated retail market systems, Enterprise Data Warehouse, systems integration, and market settlement systems. In other roles at ERCOT he led business/technology alignment, IT strategy development, program financial management for the Texas Nodal Market Implementation, IT stakeholder relationship management, and the IT divisional project office.

Prior to ERCOT, Aaron was responsible for managing the relationship between IT and utility business units at Aquila, Inc., working with utility and IT leaders to ensure that IT services were aligned with business objectives and that IT was positioned to support their needs.

US-China Climate Change Working Group on Smart Grids

Steve Widergren, PNNL, attended the Fourth US-China Climate Change Working Group Workshop on Smart Grids as an invited speaker.

The meeting was arranged by China's National Energy Agency (NEA) and the US Department of Energy (DOE). Steve represented SGIP's work to advance interoperability, particularly on standards for utilities and consumers, DER integration (including smart inverters interactions for electric vehicles and solar photovoltaics), responsive demand, OpenFMB, and Transactive Energy.

China has been participating in international smart grid standards efforts, particularly in the IEC. They understand the importance of standards alignment for the future of their own manufacturing and technology supplier industries. A Chinese delegation has attended past SGIP meetings and NIST remains involved in smart grid collaborations. Jim Reilly (lead for SGIP's PAP on Microgrids) also attended the meeting. The growth of renewable energy and interest in consumer-side flexibility resource integration in China over the past five years is astounding.

Steve encouraged further cooperation and information exchange on standards and interoperability for our mutual benefit.



Public Comment Period for ANSI/NEMA SG-IPRM Proposed Standard Ends on January 4, 2016

The Smart Grid Interoperability Panel (SGIP) and the National Electrical Manufacturers Association (NEMA) are working together to convert the **Interoperability Process Reference Manual (IPRM)** into an ANSI/NEMA standard. The Interoperability Process Reference Manual (IPRM) defines a process by which industry stakeholders may procure, test, and assert interoperability between disparate vendors of Smart Grid products to identified standards.

The proposed standard is now available for a 45-day public comment period. The deadline for comments is January 4, 2016. For information on how to provide comments, **please see page 7 of this ANSI publication.**

For more details about the proposed standard, please contact the canvassing committee that worked on this issue. The group's Secretary is Khaled Masri (khaled.masri@nema.org), and the group's Chair is Cuong Nguyen (cuong.nguyen@nist.gov).

The IPRM is a foundational element of the vision of the SGIP Smart Grid Testing and Certification Committee (SGTCC). The SGTCC developed and issued the IPRM to detail the committee's recommendations on testing and certification processes and best practices that enhance the introduction of interoperable products in the marketplace. These recommendations build upon international standards-based processes for interoperability testing and certification.

This proposed standard defines requirements and recommendations for general test policies, test suite specifications, test profiles, interoperability testing and certification authority technical programs, governance, laboratory qualifications, and (process) improvements. Finally, this proposed standard describes an implementation approach.

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