



July 21, 2016

## President's Update



Members,

In last month's newsletter, I shared that 150 parties immediately expressed interest in joining the [U.S. Department of Energy SunShot Initiative](#) Orange Button<sup>SM</sup> program, which aims to improve the exchange of solar data. That momentum carried into last week, when more than 70 solar energy leaders gathered in San Francisco for the Orange Button Kickoff Meetings on July 13 and 14. These were the first face-to-face meetings of the five Orange Button Working Groups. The Orange Button program now has 330 participants.

The ultimate goal of Orange Button is to reduce transaction inefficiencies and improve market transparency in a self-sustaining manner. Meeting attendees participated in Orange Button Requirements Working Group meetings for Deployment, Financial, Real Estate, Solar O&M, and Grid Integration. We've received tremendous support in the early stages of Orange Button, and I'm excited for what the team will accomplish.

The Grid Management Working group, comprised of some of the largest investor-owned utilities as well as some innovative municipal and public power utilities, continues to make progress in defining requirements for systems impacted by the penetration of DER. Thanks to PG&E for hosting the other utilities in June to discuss and craft the requirement for adaptive protection control. The next meeting of the Grid Management Working Group will be at Duke Energy in Charlotte in August. If you are a utility and are installing microgrids, register [here](#) to attend the August meeting at Duke Energy.

### **ComEd President and CEO Anne Pramaggiore will be a Keynote Speaker at Grid Modernization Summit**

As leader of one of the largest utility systems in the U.S. and the 2014 Utility Industry CEO of the Year, ComEd President and CEO Anne Pramaggiore is a well-known thought leader on grid modernization. That's why I'm proud to say she will deliver an executive address at the SGIP [2016 Grid Modernization Summit](#) in Washington, D.C. on November 7-10, 2016.

Pramaggiore's address is part of the summit's executive speaker [program](#), discussing the latest in accelerating grid transformation. Pramaggiore is one of many knowledgeable and senior-level industry experts invited to speak at the 2016 Grid Modernization Summit, where we expect attendance of over 300 electric energy industry practitioners. We are counting on you, our members, to support our efforts, so [register](#) today.

A handwritten signature in blue ink that reads 'Sharon S. Allan'.

Sharon Allan  
President and CEO

# Announcements

## Industry Leaders Met for Orange Button Kickoff Meetings

Orange Button Kickoff meetings took place in San Francisco on July 13 and 14, 2016. In the first face-to-face meetings of the Orange Button initiative, five working groups convened to craft market requirements for solar data exchanges between systems/parties that will reduce costs.



"In a few short months, the Orange Button Initiative has over 330 participants, and we were eager to kick off our first face-to-face meetings of the Orange Button Working Groups on July 14 in San Francisco," stated Sharon Allan, SGIP President and CEO. Leaders, developers, and professionals from a wide range of backgrounds and institutions registered for the Orange Button Working Groups. "We are confident that we can leverage their collective knowledge and expertise to achieve the objectives of the Orange Button program," said Allan.

[>>> View the Full Article](#)

To learn more about Orange Button, [click here](#).  
To learn about the SunShot initiative, [click here](#).

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## ComEd CEO Anne Pramaggiore Named Keynote Speaker at 2016 Grid Modernization Summit

SGIP is pleased to announce that [Anne Pramaggiore, President and CEO of ComEd](#), will deliver an executive address at the [2016 Grid Modernization Summit](#) held on November 7-10, 2016 in Washington, D.C.

"Anne Pramaggiore is a well-known voice in electrical grid innovation," said Sharon Allan, CEO of SGIP. "Her experience, achievements and vision give her rare insight into some of the most exciting developments happening in the energy industry today. To any industry leader wanting to learn more about what's next in grid modernization, don't miss Pramaggiore's address at this year's summit."

Pramaggiore's address is part of the [executive forum, featuring many of the industry's foremost thought leaders](#). The summit will also include Technical Working Group and Committee meetings where members and non-members alike can roll up their sleeves to collaborate on project-based work including: cybersecurity, EnergyIoT, utility-focused Grid Management, distributed energy resources, and OpenFMB. Throughout the summit vendor, utility and technology partners will demonstrate the interoperability of grid devices and their progress on collaborative microgrid projects at the [Vendor Expo](#).

With executive speakers like Pramaggiore and exceptional networking opportunities, the 2016 Grid Modernization Summit is a can't-miss event.

### Helpful links

[The SGIP 2016 Grid Modernization Summit homepage](#)  
[Online summit registration](#)  
[Information about the Capital Hilton Hotel and reservations](#)  
[A list of all speakers for the summit](#)  
[The Summit Program](#)  
[The Sponsorship Prospectus](#)  
[The Exhibitor Prospectus](#)

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## PMO Update from Aaron Smallwood, SGIP Director of Technology Operations

### Update on Orange Button<sup>SM</sup> Kickoff Meeting

The Orange Button Kickoff meeting was held on July 13, at the Intercontinental Hotel in San Francisco. SGIP with partners SEIA, SunSpec Alliance, NREL, and kWh Analytics participated in a panel discussion about Orange Button.

In addition, the Orange Button team held their first face-to-face meetings on July 14th in the Wells Fargo Office Space in downtown San Francisco. These meetings included all-day sessions for the five Orange Button working groups including: Deployment, Solar O&M, Financial, Grid Integration, and Real Estate. [For more details click here.](#)



### OpenFMB<sup>TM</sup> In-Person Meeting

This OpenFMB face-to-face meeting was held on June 29th and 30th at Hitachi's facilities in Englewood, CO. The OpenFMB in-person meeting focused on use case work sessions, developing an online code repository and information hub, and preparing for the live OpenFMB demonstration during the Vendor Expo at SGIP's 2016 Grid Modernization Summit in November. [Click here to read the rest.](#)

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## Member Spotlight

Each month, SGIP shines the spotlight on a member who is making an impact in his or her professional field and association. These members exemplify the mission of SGIP to advance grid modernization.



### Jason Handley, Duke Energy Corporation

Jason Handley is the Director of Smart Grid Emerging Technology and Operations at Duke Energy Corporation. He has over 19 years of electric utility experience specializing in the smart grid, distribution automation, and operations management. His role allows Jason to oversee all of the ongoing new technology pilot projects and all operational aspects of the Emerging Technology section. He is responsible for developing and updating the strategic roadmap for power grid devices at Duke Energy. Jason received his electrical engineering degree from Auburn University and his MBA at Wake Forest University. He is a registered professional engineer and received his electrical contractor's unlimited license in 2009.

>>> [Click here to read Jason's Member Spotlight.](#)

## SGIP News

### Erich Gunther (1958-2016)

It is with great sadness that the SGIP community mourns the loss of Erich Gunther, SGIP Board of Director, contributor and long-time colleague.

On July 10th, many SGIP members and industry friends and family traveled to Lenoir, TN, to celebrate Erich's life with traditional food, Erich's special brews and fireworks.

We invite our members to honor Erich and to celebrate his life by participating in the following tributes.

#### Forever Missed Website Tribute

Sharon Allan set up a memorial online at the [Forever Missed website](#) where you can:

- [Leave a tribute](#). A tribute is a simple message that other Guests can read. It's an everlasting flame to remember Erich.
- [Add pictures](#) or anything else that is related to Erich
- [Add a video](#) to share special moments with others.
- [Share a story](#) to help everyone who visits Erich's online memorial site to learn more about a very special life that will never be forgotten.

#### IEEE Foundation Scholarship

The IEEE Foundation has set up a memorial fund in Erich Gunther's name to fund a scholarship program that is being designed right now in Erich's honor -- The IEEE PES Erich Gunther Future Power Innovator Scholarship.

Here's a link to the giving page: <https://ieeefoundation.org/erichgunther>

#### Donation recommendations

Donate to some of Erich's favorites and support Erich's passion for flying and all things aviation:

- Angel Flight at <http://www.angelflight.com/>
- Aircraft Owners and Pilots Association at [aop.org](http://aop.org)

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## SGIP Thanks Ron Cunningham from AEP for his Service

The SGIP leadership team would like to thank Ron Cunningham, IT Enterprise Architect at American Electric Power, for his years of service to SGIP and for serving as the Smart Grid Architecture Committee Chair.

Ron has made invaluable contributions over the years and we want to acknowledge his service to the SGIP community. Over the past two years, Cunningham has moved SGIP closer to its goals by streamlining review processes for standards, guiding the architectural rigor of the committee, and proposing new ideas to SGIP members.

Ron isn't disappearing from SGIP but has completed his term as the SGAC committee Chair in June 2016. Although he is not seeking a second term, he will continue supporting the committee's mission by acting as chair while the SGAC transitions leadership roles.

Thank you Ron Cunningham for your excellent service and support!



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## Have You Considered Becoming a Leader in the Smart Grid Architecture Committee?

Members of the Smart Grid Architecture Committee (SGAC) have new opportunities to take larger roles in the advancement of architectural frameworks for the U.S. grid. The positions of Chair, Vice-Chair, and Secretary are up for refresh. Anyone interested in any of these positions should contact a member of the SGIP Technical Committee.

The SGAC is a standing member committee that collaborates to craft an architectural framework for the U.S. grid, so different utilities can participate in a common grid architecture. It plays an integral role in bringing industry leaders together to make Smart Grid Interoperability possible.

The SGAC works collaboratively with other SGIP groups as enabled by SGIP's membership volunteers, SGIP.org staff and other resources to fulfill its functions. If you are interested in joining the SGAC as a member, [click here](#). To see a list of SGIP committees, [click here](#).

Click below to read more about SGAC, including its functions and how to get involved in the SGAC leadership opportunities.

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## Grid Management Working Group Update

The 'utility only' Grid Management Group has been formed with the purpose of bringing together grid operations technology and business leaders from utilities to discuss key operational concepts/capabilities and architecture principles relating to future Grid Control and Operational technologies needed to manage a more complex grid due to the rapid rise of DERs. The group is chaired by Aleksi Paaso, ComEd and John Bubb, SCE.

A series of monthly meetings have been scheduled around various topics with a focus on the grid of the future and the impact with high penetration of DER. Meetings will rotate between both coasts, to be hosted by various utilities. Dial-in information will be provided for each of the meetings, but it is strongly encouraged that members attend live, due to the nature of the meetings.

### 4th Meeting Hosted by PG&E June 23rd at the Fairmont Hotel in San Jose

High penetration of DER has led to the need for more developments in protection control, so the SGIP Grid Management Working Group met in San Jose on June 23 to address the issue. In an all-day meeting, 20 SGIP utility members discussed adaptive protective functions with the output objective of generating requirements that can be used in future sourcing or roadmap plans. [For a recap of the meeting, click here.](#)

The next Grid Management Meeting will be on August 25, 2016 and will focus on microgrid functions/operations. To register for this meeting, [click here.](#)

If you are an SGIP Utility Member and are interested in joining the Grid Management Working Group or any other SGIP committee, [click here](#) for SGIP Committee Registration. To see a list of all committees with descriptions, [click here.](#)

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## Orange Button<sup>SM</sup> Kickoff Meetings in San Francisco



Improving the exchange of solar data is important to the energy industry. One only needs to study the brief history of the Orange Button program to see the enthusiasm of solar energy experts. The initiative is only a few months old, but it already has some 330 participants, more than 70 of whom met in San Francisco on July 13 and 14 for the Orange Button Kickoff Meetings.

SGIP is managing stakeholder engagement, strategy, and program evaluation for Orange Button, which kicked into high gear in San Francisco. The five Orange Button Requirements Working Groups gathered in their first face-to-face meetings to craft market requirements for solar data exchanges between systems/parties that will reduce costs.

[>>> Click here for more info from the meetings](#)

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## OpenFMB June Face-to-Face Meeting in Denver

The OpenFMB use case task force held a face-to-face meeting on June 29th and 30th at the Hitachi facilities in Englewood, CO. Special thanks to our member company Hitachi for hosting and accommodating this extended meeting.

The OpenFMB in-person meeting focused on use case work sessions, developing an online code repository and information hub, as well as defining the use cases to be developed for the live OpenFMB demonstration during the Vendor Expo at SGIP's 2016 Grid Modernization Summit November 7-10 in Washington, DC.



[>>> Click here for highlights from the meeting](#)

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## Participate in SGIP 2016 North American Grid Modernization Test Bed Survey

We're asking you, our members, [to take a look at last year's report](#) and let us know how you think we could improve it, what else you'd like to see in the report, and if you'd like to be involved!

Please let us know:

- Do you have a test bed that we didn't include in last year's report?
- Do you know of a test bed we missed?
- Are there specific areas of research you'd like us to include in the survey?
- Are there questions we didn't ask, but should?

Send your replies to Aaron Smallwood ([asmallwood@sgip.org](mailto:asmallwood@sgip.org)), SGIP's Director of Technical Operations. We'll be launching the next test bed survey this summer. Help us make it a useful tool for you and your fellow SGIP members.



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## SGIP Invites Members to Attend Smart Grid Cybersecurity Committee Privacy Subgroup Meeting

Guest speaker Geoff Mulligan, Chairman at LoRa Alliance will address the SGIP Smart Grid Cybersecurity Committee (SGCC) Privacy Subgroup on July 26, 2016 at 11:00 a.m. ET.

Geoff Mulligan is a Presidential Innovation Fellow working on the Cyber-Physical Systems project at the National Institute of Standards and Technology (NIST) assisting the Institute in addressing issues relating to connecting networks of machines, facilities and people, and helping energy consumers make better use of their energy usage data. This is an SGIP-only event, and all members are invited to attend.

The SGCC collaborates to develop and implement secure Modern Grid infrastructure through two key actions: designing cybersecurity functionality in emerging interoperability standards and adding cybersecurity into existing interoperability standards.

If you are an SGIP member and wish to attend the SGCC Privacy Subgroup meeting on July 26th, 2016 at 11:00 a.m. ET, contact Gabrielle Puccio at [gpuccio@sgip.org](mailto:gpuccio@sgip.org) for meeting details.

If you're interested in joining the SGCC or any other SGIP committee, [click here](#).  
To see a list of all committees with descriptions, [click here](#)

## Upcoming Events

### Registration Rates Increase After September 15!

# GRID MODERNIZATION SUMMIT 2016

"ACCELERATING TRANSFORMATION"

**What:** 2016 Grid Modernization Summit

**When:** November 7-10, 2016

**Where:** The Capital Hilton, Washington, DC (reserve rooms [here](#))

**Who:** Everyone! Both members and non-members can attend.

[Register for the summit today](#), and you'll hear from some of the top thought leaders in the industry discussing the most pressing topics in grid modernization. Among them is Anne Pramaggiore, President and CEO of ComEd, whom SGIP recently introduced as a keynote speaker. Pramaggiore became the first female CEO of ComEd in 2012, and Energy Central named her Utility Industry CEO of the Year in 2014. As leader of one of the largest utility systems in the U.S., she is an expert in Distributed Energy Resources (DER), Energy IoT, regulatory policy and more.

Pramaggiore is only one of many leading executives participating in the summit's [executive speaker program](#), representing utility, vendor, and industry organizations. Attendees will also be able to collaborate around project-based work at Technical Working Group and SGIP Committee meetings. And throughout the summit, the [Vendor Expo](#) will showcase the latest microgrid solutions.

More information about the conference is available at [sgipconference.com](http://sgipconference.com).

You can also view the [summit agenda](#) and [exhibitor details](#).

If you're interested in sponsorship information, please [view our prospectus](#).

If you have any questions, contact Gabrielle Puccio, VP of Member and Public Affairs at SGIP, at [gpuccio@sgip.org](mailto:gpuccio@sgip.org).

REGISTER TODAY

## SGIP-Speaking Events

### Gas Utility Summit

August 7, 2016, Palm Beach Gardens, FL

Sharon Allan, President and CEO of SGIP, to speak at Gas Utility Summit.

[>>> Learn More](#)

## 2nd NY Energy Revolution Conference

July 26, 2016, New York City, NY

Aaron Smallwood, Director of Technology Operations at SGIP, will be speaking at the [2nd NY Energy Revolution Conference](#). His session will be held at 3:30pm.

[>>> Learn more about the event, other panelists, and how to attend](#)

## SGIP-Hosted Events



### OPENFMB™ and NAESB Standard Webinar

Discussion of OpenFMB NAESB task force and process.

**Date:** September 15, 2016  
**Time:** 1:00 – 2:00 p.m. EST

To register for this event, click to reserve your seat below!

[Reserve Your Seat](#)



### Grid Management Working Group Meeting

**Microgrid Functions/Operation**

**Date:** August 25, 2016  
**Where:** Duke Energy, Charlotte, North Carolina

SGIP Utility members who wish to join the Grid Management Working Group should contact Sharon Allan, CEO of SGIP, at [sallan@sgip.org](mailto:sallan@sgip.org).

[Register for the Meeting](#)

## Recent Webinars

Did you miss one of our recent SGIP webinars? You can find recorded webinars and a list of upcoming webinars by [clicking here](#).



### [Orange Button<sup>SM</sup> Webinar – May 26](#)

As part of the [U.S. Department of Energy SunShot Initiative](#), Orange Button<sup>SM</sup> supports the creation and adoption of industry-led open data standards for rapid and seamless data exchange across the solar value chain from origination to decommissioning. In this webinar, Orange Button leaders provide details about the goals and objectives of the 24 month program.

[Click here](#) to view the recording.  
[Click here](#) to download the PDF.



### [IPRM Standard - June 23](#)

During this webinar, the SGIP Smart Grid Testing and Certification Committee (SGTCC) discussed the new standard, The Smart Grid Interoperability Process Reference Manual, ANSI/NEMA SG-IPRM 1-2015 (IPRM) that was published by the National Electrical Manufacturers Association (NEMA). The standard codifies the Interoperability Process Reference Manual (IPRM) that SGTCC developed and refined over the past six years.

[Click here](#) to view the recording.  
[Click here](#) to download the PDF.

## Industry News and Events

### Nearly 100 Action Clusters Showcased Their Projects at the Global City Teams Challenge Expo

The [Global City Teams Challenge \(GCTC\) Expo](#)—convened by the National Institute of Standards and Technology (NIST) and US Ignite June 13-14 in Austin, Texas—attracted 2000 attendees to see the latest developments in the rapidly-expanding smart city sector. With more than 110 cities from 11 countries giving on-stage presentations and hosting display booths, the Austin Convention Center was, for those two days, the center of the smart city universe.

Each presentation and/or booth featured the ongoing work of a GCTC “action cluster”—a team comprising leaders and experts from municipal, technology, and academic organizations. (Copies of the presentations are [available online](#).)

[>>> Click here to view the full article](#)

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### IoT-Enabled Smart City Framework Takes Shape during GCTC Expo Week

As the hundreds of attendees and action cluster members were packing up at the end of the GCTC Expo, a smaller group of over two dozen experts convened for an intense two-day workshop of the [IoT-Enabled Smart City Framework](#) (IES-City Framework) international technical working group (June 15-16, 2016). The meeting, organized by the National Institute of Standards and Technology (NIST), brought together the three working groups who are engaged in identifying pivotal points of interoperability (PPI) that are common to the dozens of smart city frameworks and platforms being developed by organizations around the world.

[>>> Click here to view the full article](#)

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### NIST/IEEE Workshop Planned for October 2016

The National Institute of Standards and Technology (NIST) will host an NIST/IEEE (Institute of Electrical and Electronics Engineers) Workshop titled “Timing Challenges in the Smart Grid” in Gaithersburg, Maryland on October 26, 2016. The goals of the workshop are to clearly identify and analyze:

- The practical challenges that are currently being experienced in wide-area time synchronization in current measurement and control deployments
- Timing-related barriers that prevent the power industry from realizing future measurement and control technologies

The workshop steering committee has issued a call for abstracts. Details are in the full article.

[>>>Click here to view the full article](#)

**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.

Visit Our Website

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

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