

Meeting Minutes

March 20, 2024

GWAC Members

Ron Ambrosio, Independent Energy
Transformation Professional, Acting Chair

Kay Aikin, Founder, CPO, Dynamic
Grid/Introspective Systems

Andrew Bordine, Sr. Practice Manager, Grid
Automation, Actalent

Shawn Chandler, Director, Guidehouse

Marc Costa, Dir. Policy Planning, the Energy
Coalition

Lorenzo Kristov, Principal, Electric System
Policy, Structure, Market Design

Ahlmahz Negash, Sr. Power Analyst, Tacoma
Power

Mark Ortiz, Lead Architect, Snyder Electric

Farrokh Rahimi, Executive Vice President, Open
Access Technology International, Inc.

Aaron Snyder, Dir. of Grid Technology
Consulting, EnerNex

Leonard Tillman, Partner, Balch & Bingham, LLP

GWAC Friends

Salisa Berrien

Toby Considine

Larisa Dobriansky

Harry Peterson, Siloxit Inc

Don Hammerstrom, PNNL

Clay Koplin, Cordova Elec. Co-op

Alaa Mahjoub

Stephan MacDonald

Artis Riepnieks

Tylor Slay, PNNL

PNNL Support

Jaime Kolln, PNNL GWAC Administrator

Ron Melton, PNNL GWAC Administrator

Susie McGuire, GWAC Coordinator

GWAC Associates & Emeritus

Rahul Bahadur, Associate

Jeff Morris, Associate

Ken Wacks, Emeritus

GWAC Guest Speaker

Sydney Applegate, DOE EERE

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Agenda Mar. 20, 2024

Call to Order and Roll Call

- Welcome

GWAC Administrative Business

- Minutes
- Upcoming events
- GWAC Accomplishments
- Action Items
 - The Next Big Thing

Guest Speaker – Sydney Applegate, DOE EERE – ORISE Science Technology & Policy Fellow

Future Activities

- Planning 2024 GWAC Conference
- GWAC April Face-to-Face - OATI
- GWAC Strategic Outreach Plan

Work Product Status Reports

- GWAC Projects Overview Chart review
- Working Party Status Updates
 - Grid Architecture White Paper
 - Grid Future State White Paper
 - Grid Arch for Regulators White Paper
 - Applying Grid Architecture Concepts to Bridge Back from the Future Grid
 - Grid Architecture Concept Model for Interconnection, Electrification, and Decarbonization
- Liaison Reports

New Business

Ron Ambrosio is the acting GWAC Chair for this meeting in Ron Bernstein's absence. Ron opened the meeting with a quorum.

Jaime Kolln, PNNL Coordinator, gave a brief review of the agenda and then asked for a motion to approve the meeting minutes as amended by his changes and Ken Wacks.

Ron Ambrosio gave the motion to approve the minutes and Andy Bordine seconded the motion.

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Conferences and Events

Date	Event	Location	Attend	Speaker	Topic
March 12 – 14, 2024	EPRI Electrification 2024 International Conf & Expo	Savannah, GA	Sean Crimmins		
March 26 - 28, 2024	Energy Exchange	Pittsburgh, PN	Ron Bernstein	Ron B	Challenges of Connected and Smart Buildings
Apr. 30 – May 2, 2024	V2G 2024	San Diego, CA	James Mater, Jaime Kolln		
May 6 – 9, 2024	IEEE PES T&D Conference & Expo	Anaheim Convention Center	Jaime Kolln		Accelerate the Grid of Tomorrow
May 14 – 16, 2024	Energy Storage Safety and Reliability Forum (ESSRF)	PNNL Campus	Jaime Kolln		
June 22-26, 2024	ASHRAE Annual Conference	Indianapolis			
July 21 – 25, 2024	IEEE PES General Meeting	Seattle, WA	Jaime Kolln		
August 4 - 9, 2024	ACEEE	Anaheim, CA	Marc Costa		
Sept 9 - 12, 2024	RE+ Anaheim, CA & GWAC Conference	Anaheim, CA	GWAC		2024 Summer Study on Energy Efficiency in Buildings
Oct. 1 – 2, 2024	Grid FWD 2024	Banff, Canada			
Jan. 21 – 23, 2025	IEEE PES Grid Edge Tech	San Diego, CA	Jaime Kolln		

Farrokh commented that the IEEE ISGT meeting went well with a lot of good speakers. Ron Melton, Mark Paterson, Jaime Kolln, and Farrokh Rahimi were there.

For DTech – Jaime said that the OATI booth at DTech was very impressive. Jaime noted that he, Farrokh Rahim, David Forfia, Marc Costa, Ron Ambrosio, and Andy Bordine were all at DTech. Ken Wacks was there to attend the Smart Energy Summit which held at the same event.

Jaime noted that Chris Irwin, DOE was at both ISGT and DTech.

Jaime asked about other GWAC Conference attendance and Kay Aikin said she would be at IEEE PES Grid Edge, Anaheim, CA and that she and also Marc Costa will be at the UN Building Action Coalition – Enniscorthy Forum to be held in Ireland April 8 – 10, 2024.

Action: Add the UN Building Action Coalition meeting to the list

Farrokh and Ron Melton will both be at the IEEE PES General meeting to be held in Seattle in July of this year.

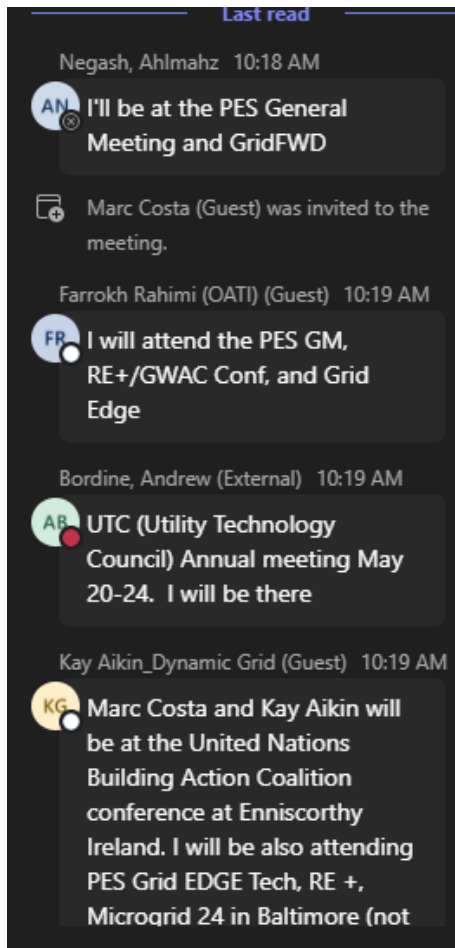
Jaime is hoping to be approved to attend the Grid Forward meeting in Banff, Canada.

Ahlmahz said that she will be there as well.

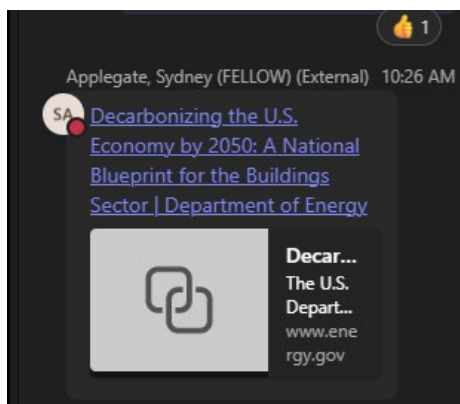
Other conference attendees planned:

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Microgrid Knowledge Conference 2024 Baltimore, MD April 22 – 24, 2024



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GWAC Accomplishments

- 2023 – Current GWAC Speaker Video [Presentations \(NEW\)](#)
- 2015-2022 – [Annual Transactive Energy Systems Conference](#) (since 2019, IEEE PES partnership event)
- 2022 – [Blog Post #5 – Decarbonization efforts of three Northern California CCA's](#) - Bahadur
- 2022 – [Blog Post #4 - Decarbonization of the Electric Grid](#) – Bernstein
- 2022 – [Blog Post #3 - Energy Equity in Decarbonization](#) - Negash
- 2022 – [Blog Post #2 - Grid Infrastructure Challenges In A Decarbonized World](#) – Aikin
- 2021 – [Blog Post #1 - Decarbonization – The Pattern that Has Emerged](#) - McCafferty, McCormick, Forfia
- 2020 – [Transactive Energy FAQ](#)
- 2020 – [Smart Buildings as a Transactive Energy Hub](#)
- 2020 – [Decision Maker's Interoperability Checklist v.1.6](#)
- 2020 – [Reliability and Resilience Considerations for TE Systems](#)
- 2019 - [GridWise® Transactive Energy Framework V1.1](#)
- 2018 - [TE Systems Research, Development and Deployment Roadmap](#)
- 2016 - [TE Decision Makers Checklist](#)
- 2015 – [Valuation of Transactive Energy Systems Proceedings](#)



GWAC YouTi



Jaime noted that two papers are nearly complete and will be posted soon on the GWAC website.

Jaime also asked for the GWAC to suggest speakers for May and June noting that those slots are open.

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Action Items

- Send speaker ideas to Jaime Kolln and Ron Bernstein and copy Susie McGuire.
- Website updates
 - Add video presentations including speakers to GWAC database bureau post on the website.
 - Create a catalog of speaker materials with links.
 - Feedback on format and errors requested
 - Add an “About the Council” slide to template
 - Make slide deck templates available to GWAC members.

Ron Ambrosio reviewed the work group progress for the presentation, “Back from the Future: Reaching the Vision of Tomorrow’s Grid.” The group is trying to keep the presentation to one hour. They have a draft presentation and Ron A. reviewed it briefly with the Council.

Kay had suggested a change in the bullet order and the council agreed with the suggestion.

The workgroup is hoping to get more feedback on the draft from the Council. Ron A. asked everyone to send feedback comments to himself and to Rahul Bahadur. They hope to have a revised version in the next two weeks.

Ron A. said it’s possible that there will be a follow on webinar to this one later on.



—● Creating a Vision

What will the future hold for power grids?

- What step changes are needed to get there?
- What is achievable, believable, and acceptable?
- What are the market conditions needed to get across the bridge?
- Who are the targeted stakeholders of change?
- What’s beyond the 25-year event horizon? 50 year, 100 year?

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Lorenzo asked about the vision, “What is achievable, believable, and acceptable?” If we are going into unknown territory isn’t this subjective?

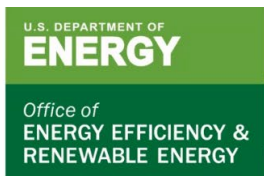
Ron A. said the original talk was a bit subjective in this same respect, but this is our starting point. They have derived some consensus on future vision.

Ron A. encouraged Lorenzo and others to send their feedback to himself and Rahul Bahadur. They are meeting every two weeks and hope to be finished in the next two months.

The work group is also reviewing the 3 D’s.

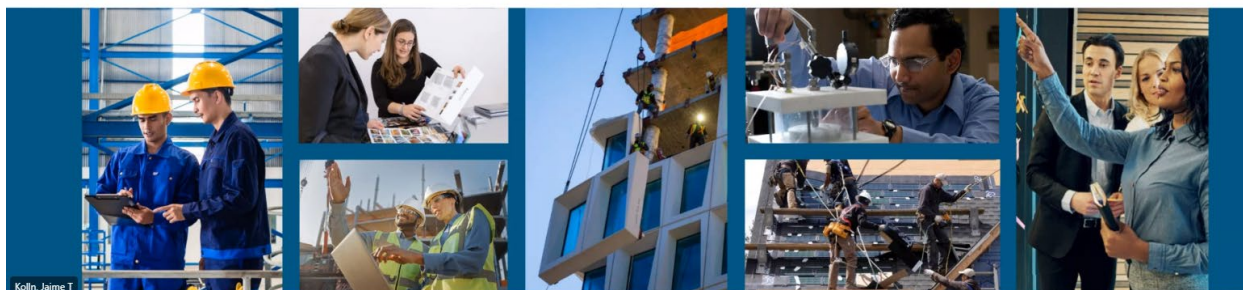
Stephen MacDonald had some input on the Grid Architecture slide and so did Kay Aikin. Ron A. explained some of the changes and choices of slides that have been made with feedback and why.

Jaime introduced today’s speaker, Sydney Applegate with DOE EERE.



Benchmarking and Building Performance Standard Implementation

EPA & DOE BTO Building Energy Data Software



Sidney gave a brief overview of her background and her presentation and noted that the slide deck has been adapted from a state or city government facing presentation. She explained that the material works nicely for large organizations that are working on energy efficiency or decarbonization planning

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and tracking. The presentation's key point is the importance of data management as it relates to data heavy policies like performance standards and decarbonization programming.

The goal of the software is to move away from spreadsheets to easy-to-use data tools that can handle the complexity of building performance standards. We will look at a high-level version of the tools.

All of the tools we will look at are free and most are open source.

Buildings Portfolio, Benchmarking & BPS Implementation Support Software



ENERGY STAR Portfolio Manager – enables the reporting of a building's energy and water use, square footage, and operational details in a consistent format.



SEED – central database for tracking building related information



Audit Template – standard format for asset-based building data collection & persistency

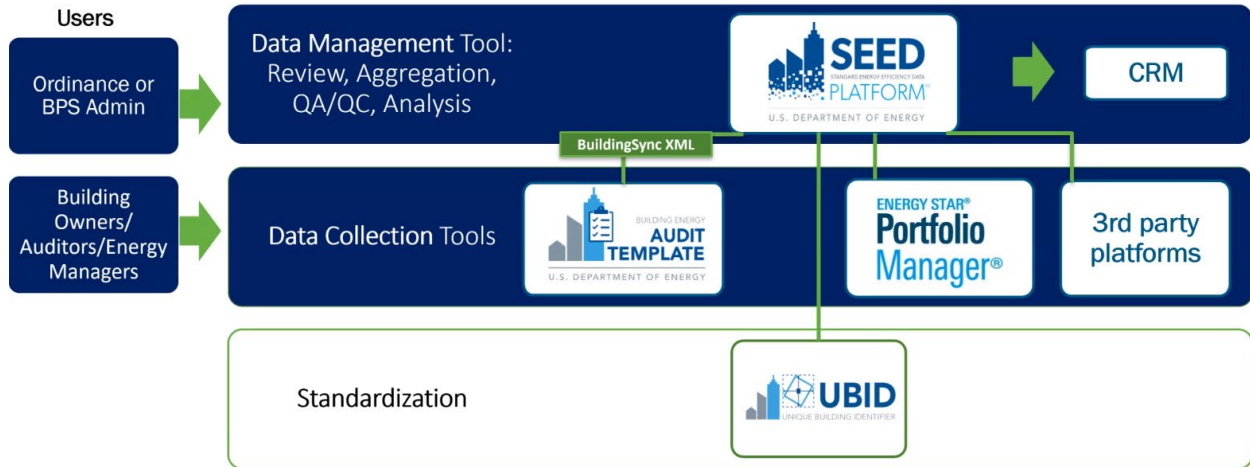


UBID – unique building identifier based on geospatial location supporting data use

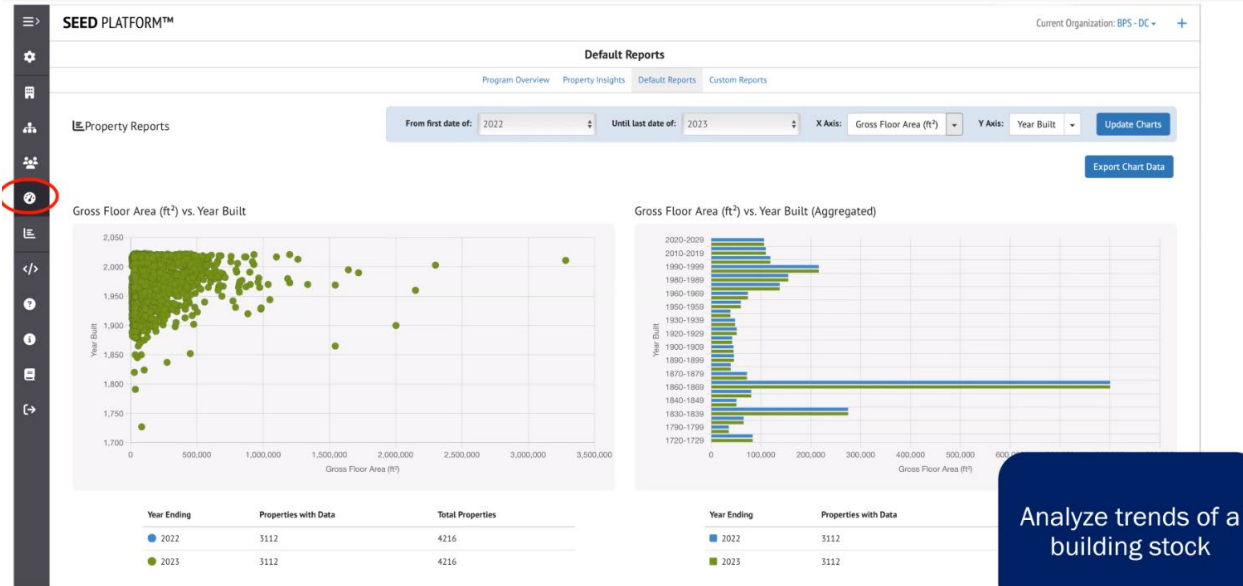
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Organizational Buildings Program or Portfolio Benchmarking Ordinances or Building Performance Standards Data Collection, Management, and Standardization



Program Tracking: Reports



She gave examples of reports that can be set up in SEED to help manage building stock.

She noted a new video from DOE to help explain these tools.

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Get started by requesting a one-on-one demonstration or free test account.

BPS Implementation | Building Energy Codes Program

ESPM Contact Support ([site.com](https://www.seedplatform.com))

Building Data Tools ([energy.gov](https://www.energy.gov))



Marc Costa thanked Sydney and said this subject is something that he appreciates. He is familiar with the precursors of SEEDS as well.

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He said his organization used to have a contract where they worked with muni's and utilities and there were climate action plans or building performance standards. This data collection that she showed is so valuable to visualization and decarbonization efforts as we design the system architecture of the future, and the IRP process.

Marc added that as people adopt this information, he is interested in the feedback that she is getting. He asked about the future of buildings stock.

Sidney said that right now as they are centralizing this data for use, they haven't started to get much feedback yet. She said one component that people are looking at is using the collection within SEED which buildings should be getting additional financial assistance to comply with.

Marc said the ASSETS forms put out 8760's...and it's so valuable such as with load profiles and NREL's residential and commercial stock. It's foundational work that could change the way we do things on this side of things.

Larisa Dobriansky said looking to the future, she is happy to see this evolution and she is familiar with efforts such as the work at LBNL that Marc referred to. She asked how Sidney sees all of what has been done with energy efficient buildings and what is being fed in? How do we encourage more data standardization access?

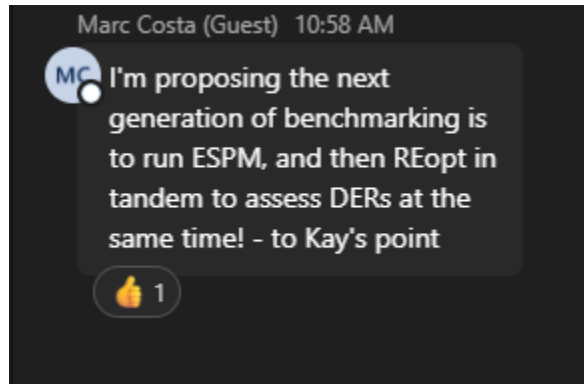
Sydney said she thinks the work is a potential use case. The work is a bit siloed at the moment from their work with jurisdictions and building performance standards. As this continues to evolve and as adoption outside of the building performance standard world increases, there would be a great opportunity for using the software.

Kay Aikin said benchmarking is wonderful – she spoke with a sustainability director in Portland Maine about this recently; If property owners will submit the data and if it's streamlined, that will help, they are trying to get the data into the platforms. Kay noted that if you could do it with one button that would be ideal. Kay gave the example of Green Button; a way to get all your electric data streamlined - implemented by asset owners. Kay added that Chris Irwin has talked about it. If it's easy you would get good data. Kay mentioned Jeremy from Green Button. Sydney would like to follow up with Jeremy.

Sydney confirmed there is an effort underway to simplify and remove barriers and make things a lot easier. She said that various jurisdictions and the EPA are talking about simplifying the benchmark process for building owners as well as for submission and data collection.

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Sydney shared a new resource in the chat: <https://www.energycodes.gov/segmentation>

Jaime Kolln thanked Sydney Applegate for her presentation today and noted to the Council that her talk will be formatted for publication the GWAC website under the Video tab.



Planning the GWAC Conference

- Co-Located at RE+ in Anaheim, CA September 9-12, 2024
 - Specific Format TBD, but planning on plenaries and two tracks
 - RE+ Technical Session is Monday and Tuesday.
 - GWAC Technical Session will be Wednesday and Thursday
- Schedule Organizing Committee (OC) Meeting
 - Coordinating with Lesley Fondren and Lori Smith (RE+)
 - Collaborate with IEEE.
- Council Members Participating in the Organizing Committee
 - At Least 4 Council Members
 - No papers this year
 - Sponsorship TBD
 - Need to understand associated fees. Will be tiered based on SEPA/SEIA membership.
 - Call for participation is the kickoff; it will include a timeline of due dates for presenters.

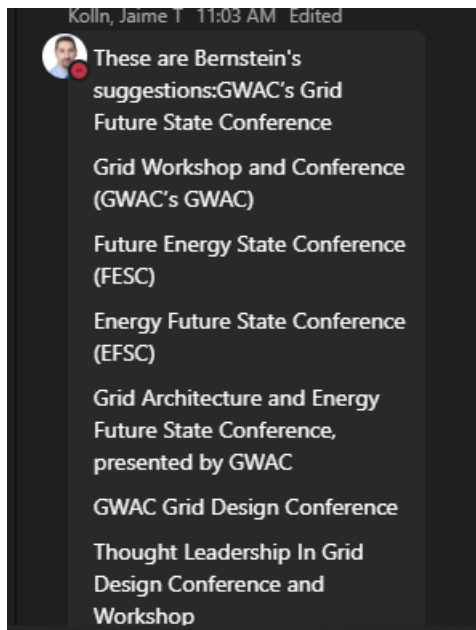
Jaime suggested that the GWAC discuss potential new names of the GWAC Conference.

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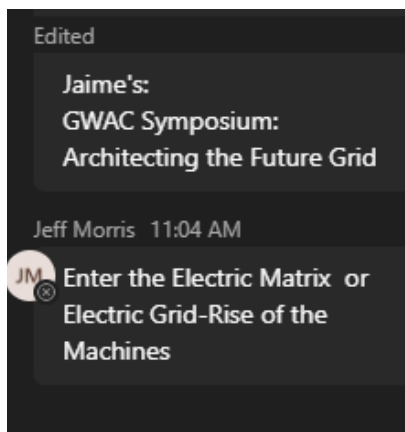
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Ron Ambrosio mentioned an email that he received recently from Ron Bernstein. He suggested that the name should be non-limiting so that it can remain for some time to come; enough to convey the general scope and incorporate GWAC into the name. It would be best to have an acronym that is not going to be confused with another organization.

Jaime pasted some of the suggestions that he received in the chat.

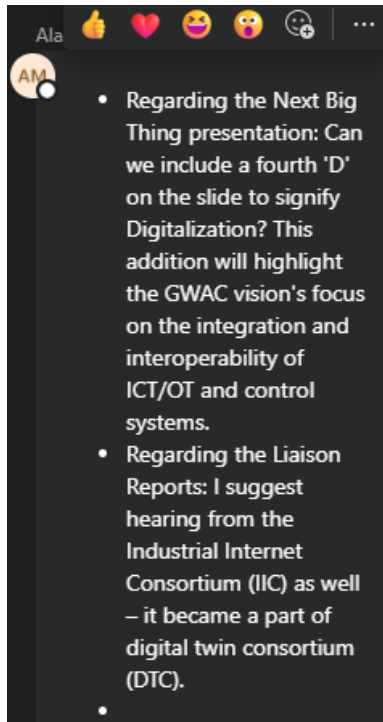


Grid and Energy Future Vision/State Conference



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Alaa Mahjoub [Successful Outcomes of the 2024 GWAC Conference-0.0.pdf](#)

Ron Melton said he has some doubts about the “symposium” suggestion and thought it sounded like a GridWise Alliance event. He also mentioned the original interoperability meetings.

Ron A: What about a main title name and a topical subtitle?

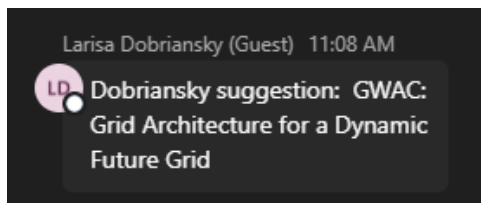
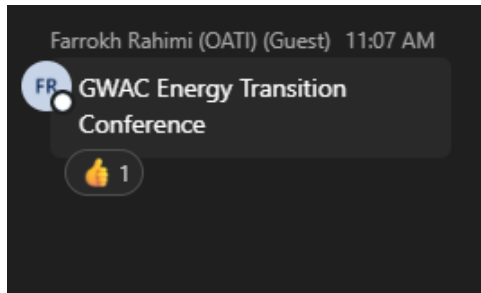
Ron M. said he thinks a topic can be helpful, he gave the example of ISGT.

Aaron noted the RE+ name was a change from a couple of other meeting names, and it has had outstanding attendance. He likes the idea of GWAC as the main name and then change the subtitle (after the colon) each year. He suggested that the way to build brand equity is not to ignore the brand nothing that building the brand is a useful thing.

Ron A. agreed with the significance of council name recognition.

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Jaime, Ron M., and Ron A. liked Farrokh's suggestion of GWAC Energy Transition Conference although Jaime suggested to change the word Transition to Transformation (GWAC Energy Transformation Conference).

Aaron said if you keep GWAC in the name you will build brand equity versus if it's always something different.

After some back-and-forth discussions Jaime suggested holding on it for now and then doing a poll in the next few weeks to determine the conference name.

Salisa Berrien joined the meeting and was introduced by Ron Ambrosio. Ron had met her recently at an engineering meeting in Tampa, Florida where she was a keynote speaker.

Salisa introduced herself and said she is the founder and CEO of COI Energy – they focus on recycling energy capacity and then enabling it to be exchanged as excess energy exchanged, as a peer-to-peer exchange where businesses are able to sell that excess capacity to other businesses selling capacity. It helps the reliability and resiliency of the grid and reduces the carbon footprint of the businesses and helps support energy equity because every business on our platform will pay a portion of their savings to marginalized communities or LMI communities to ensure that they will have affordable access to clean energy resources which shows up as energy efficiency upgrades like for electrification, community, solar weatherization, and those types of services.

Jaime asked about the scale of capacity.

They are working with commercial businesses but not industrial right now. They are helping businesses to minimize their peak demand to their base load operations down to that delta and that is what they

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are selling on the exchange. The range could be 250 kilowatts of peak demand all the way to 10 to 30 megawatts. They don't limit the size of the customer.

Ron Ambrosio encouraged her to view Sydney Applegate's talk when it gets posted on the GWAC Website in a few weeks.

Kay Aikin noted she has worked with SaLisa in the past.

Jaime asked for a vote on the name that would go out to the GWAC Friends list as well.



GWAC Face-to-Face Meetings

- Discuss F2F meetings for 2024
 - Spring meeting planned for April 16 -18 2024
OATI, Bloomington MN
Microgrid Technology Center
 - September 13 (after GWAC conference)
 - Casa Bernstein
 - 20th GWAC Anniversary



Jaime noted that OATI will provide light breakfast refreshments each day and lunch on Tuesday and Wednesday. We are planning some no-host dinner outings.

Jaime also noted that after the RE+ GWAC conference we will travel to San Diego to Ron Bernstein's Casa Bernstein on Fri. Sept. 13, for a GWAC 20th Anniversary meeting. Then there will be a fun event on Saturday.

The GWAC 20th anniversary should be very fun, Ron Bernstein has offered to host it at his home, Casa Bernstein, after the RE+ Conference. Steve Widergren has been providing some input for this event to reunite with some past GWAC members.

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Lorenzo asked about evenings at the F2F at OATI. Jaime replied that there will be a more formal dinner on Tuesday night. Chris Irwin is planning to attend that one. Dinner on Wednesday will be more casual.

A morning session is scheduled on Thursday and then people will head out.

The meeting is located near a Mall of America.



GWAC Strategic Outreach Plan

- **GWAC Mission and Vision Statements**
 - Set up recurring “strawman” Task Force – More Discussion Coming up!
 - Mondays over the next several weeks
 - Recordings to be Developed and Published to YouTube
 - Outreach through conference presentations
 - Other organizations to "cross-pollinate" ideas with.
 - Identify liaison volunteers, e.g. INCOSE

Jaime said he will be updating the strategic outreach document weekly with feedback incorporation. He hopes to have a draft in time for the F2F meeting. He added that the Mission and Vision revisions will affect “About the Council” information on papers and videos.

Jaime would like to add some groups that we “cross-pollinate” with. He noted that Artis has hosted some INCOSE conferences on system engineering. He suggested that this would be a good organization that GWAC might have common interests with. He recognized Artis Riepnieks PNNL who has been on some recent GWAC calls and is very involved with INCOSE.

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He noted that Ron Bernstein is creating an “About the Council” video in line with the mission and vision refresh.



Grid Vision & Future States White paper

- A near final edit of the ‘report’ was submitted to PNNL editors, and GWAC administrator and few of the core authors mid-November 2023, resolving most of the received review comments/feedback. There are a few key items that needed to be resolved concerning: Title Page, About This Document, About GridWise and the GridWise Architecture Council, and a couple of requested citations for Grid 3.0 Future States and early NIST Conceptual Model artifacts and applying those to the near final draft.
- Awaiting, final resolution of those items, by GWAC Administrator, GWAC leadership.

Jaime will be finalizing this paper that Seemita Pal led, with an updated GWAC report cover and format.



Grid Architecture for Regulators

- **Team members: Lorenzo Kristov, Kay Aikin, Larisa Dobriansky, Jeff Morris, Mark Paterson, Farrokh Rahimi, Chris Villarreal, Ron Bernstein**
- White paper will be aimed primarily to GWAC community:
 - Document experiences, observations & lessons learned from the use/non-use/value of Grid Architecture in policy & regulation venues
 - Provide a basis for strategies to promote Grid Architecture among policy makers
 - Paper will be a living document, starting with a few initial case studies and adding new case studies as available
- Initial case studies
 - U.S. — FERC Order 2222
 - State — Xcel Minnesota rate case; CPUC High-DER docket
 - Municipal — Portland Maine
 - International — Ontario, Canada
- Tentative target date: Draft for GWAC review by mid-November; ready for posting early 2024.

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Lorenzo said that because there are so many new things happening, he would like to have an hour at the F2F to talk about this paper and some interesting things that are happening in relation to this paper.

Action: Jaime will add time for Lorenzo this to the meeting slide at OATI

Action: Lorenzo will develop a slide set for this talk at the F2F.



GWAC Future Work Products Discussion

Applying Grid Architecture Concepts to Bridge Back from the Future Grid

in concert with current work and building on the previous GridWise Architecture Council work products, this document attempts to provide a roadmap for operators, planners, developers, integrators, and policy makers as guidance to develop interoperable systems that will architect the grid of the future as described in the future states. This paper will include discussions of motivating participation of customer owned assets and opportunities for avoided costs by working toward a long-term vision rather than only short-term needs. This document will be completed in FY24.

- Committee : **Mark Paterson**, Marc Costa, Ron Ambrosio, David Forfia, Kay Aikin, Lorenzo Kristov, Farrokh Rahimi, Aaron Snyder,
- 2:00 PM PT/ 5:00 PM ET Thursday 2 times 1st and 3rd Thursday of the month

Both papers are now kicked off. Mark Paterson has been very involved with this topic and much of this content will be presented at the upcoming GWAC Conference at RE+. Anyone interested in supporting this concept are welcome to join this work group.

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GWAC Future Work Products Discussion

Grid Architecture Concept Model for Transportation Electrification

Analyze various visions of the electrification of fossil fuel-based systems and identify areas where GWAC concepts could provide architectural value to bridge and coordinate between customer and grid objectives. Electrification will introduce dependencies such as those seen in the transportation sector due to electrification. Grid Architecture will be used to describe the touchpoints (for example through sector coupling) that will require collaboration. GMLC reference cases will be included. This activity will take place in FY24 and be completed FY25.

- 15-20 page whitepaper
- Committee: Ron Cunningham, Farrokh Rahimi, Mark Ortiz, David Forfia, Aaron Snyder, Lorenzo Kristov, Bhaskar Mitra, Paul DeMartini
- 1:00 PM PT/ 4:00 PM ET, 4th Tuesday of the month

The idea behind this paper is how concept model grid architecture can be applied to transportation electrification. This includes interesting touch points that we have through sector coupling. They are looking at carbon reductions through not having to move fuel from one place to another and also what are the equity benefits if processing can be done on-site?

Action: Stephen MacDonald would like to be involved; Jaime will add him to the work group invite list.

Jaime is leading this Grid Architecture Concept paper for now but is still looking for someone to take it on.

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Liaison Reports

- NIST – David Wollman
 - Green Button – Jeremy Roberts (*New*)
 - EPRI – Sean Crimmins
 - IEEE PES – Farrokh Rahimi
 - ASHRAE, CTA, ASHB (formerly CABA) – Ron Bernstein
 - ISO/IEC, IREC – Ken Wacks
 - SEPA – Aaron Smallwood
 - NARUC – Jeff Morris
- *Are there other organizations we should be hearing from?*

David Wollman, NIST, is out today but sent the link to their March 2024 Smart Connected Systems newsletter: <https://content.govdelivery.com/accounts/USNIST/bulletins/38e9772>

NIST - David Wollman is not on the call today but he sent a link to the March 2024 Smart Connected Systems newsletter: <https://content.govdelivery.com/accounts/USNIST/bulletins/38e9772>

EPRI - Sean Crimmins is not on the call today.

Ron M. said that IEEE ISGT will have a new name for 2025 but will be in April. It will have a new name but that has not yet been announced. The venue is changing also from the Grand Hyatt to the Renaissance which is now a Westin hotel. The organizing committee is forming and more will be announced soon. This conference will remain similar to previous the previous format, mixing technology and policy and locating close to contacts in Washington DC.

Ron M. also noted that the IEEE PES General Meeting will be in the newer part of the Seattle Convention Center.

Ron M. also noted that for those IEEE SA members who are interested in Block Chain and in particular the P 2418.5 energy blockchain guide, make sure you register because balloting is still open.

Jaime also noted that there is a lot going on with the 1547 standard as well.

Ken Wacks ISO/IEC: Ken said he just got word this morning that there are two standards for publication – one on applied energy management agent in apartment buildings. The energy management standard is intended to shift the focus of energy management from utilities to consumers.

The energy management standard is intended to shift the focus of energy management from utilities to consumers. Consumers will decide where to get their electricity, either from the grid or from local sources such as wind, solar, storage and how to allocate power to major loads in their home or building

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tempered by their budget and their desire to support a greener environment. The two standards were approved this morning. They relate to energy management agent which is an on-premises intelligence that helps the consumer decide about energy sourcing and allocation.

There were two parts. One is the energy management agent functional requirement and interfaces and the other is a protocol of energy management agents. For this, for demand response, energy management and interactions among these agents, we will be holding our next international meeting virtually beginning April 15.

If anyone would like to be involved, please contact Ken and he will explain how you can participate.

IREC / Ken chairs customer grid edge committee. The next meeting is Friday, March. 29. The featured speaker will present a talk titled, "Incentives for the adoption of load management solutions in the electric energy industry." This talk will focus on the pricing of energy and the effects of market forces. and other things. David LeVee, an economist and friend of GWAC, will be presenting.

Meetings are open to anyone in industry at no charge. Go to the website to register at IRECUSA.org and look for the Customer Grid Edge meeting. There is no charge to participate in these meetings.

SEPA-Jaime filled in for Aaron Smallwood – he had emailed Jaime about the SEPA Grid Technologies Collaborative, a new initiative. Jaime heard about this from Aaron Smallwood, and he will get more information and share it with GWAC.

Jaime noted that companies can join the SEPA for one registration cost and then all staff can participate in SEPA work groups and events.

Stephen MacDonald noted the SEPA – Transactive Energy group. They are finishing up a deliverable on regulatory design, it needs to invoke the actual market and dynamic. The group is moving into the field guide on how to kick off TE demonstrations. Any feedback on this from GWAC is appreciated, please contact Stephen. He is leading the effort.

Ron Ambrosio noted that he is now a member of the Research Advisory Council for SEPA. Aaron had invited him to participate.

Jeff Morris had no NARUC updates today.

Jaime suggested adding INCOSE to Liaisons. Ron Ambrosio said he approved of that suggestion; he is familiar with that group.

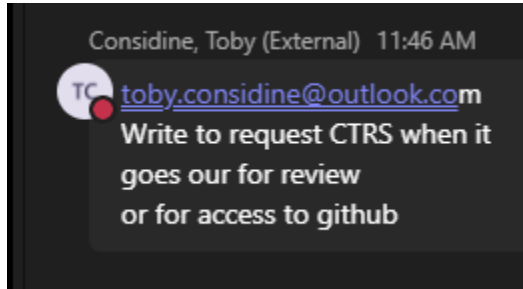
New Business

Toby Considine invited anyone interested in receiving the new Oasis Common Transactive Services Specification which is going out for public review to reach out to him. It will be going out in the next few weeks. This version has been influenced by professional traders. It should be complete by the end of the semester, it is an NJIT project.

Meeting Minutes

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Please contact Toby Considine for more information.



Jaime announced that Farrokh Rahimi has invited Jim Jones, from Great River Energy speaker – thanks Farrokh. They are based in Minneapolis. <https://greatriverenergy.com/>

Marc Costa asked about the F2F agenda.

Jaime noted will be a full day Tuesday and Wednesday and half day on Thursday. Most critical will be the GWAC Conference planning and the Administrative meeting. Plus, presentations by Ron Ambrosio, and Lorenzo Kristov on their papers, and on the and Mission/Vision rework.

The agenda will be sent out soon.

Ron Ambrosio said that new attendees such SaLisa and others can join virtually.

Jaime said that the hybrid portion will be facilitated by an OWL camera.

Jaime proposed moving the May 15 GWAC meeting to May 22 due to an onsite meeting conflict that he has a conflict with.

No changes for the June 19 GWAC meeting.

Meeting Minutes

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Upcoming GWAC Meetings

Date	Topic or Speaker	Format	Other
March 20, 2024	Sydney Applegate, DOE ORISE Science, Technology, and Policy Fellow		
April 16 – 18, 2024	Face to Face meeting @ OATI		Bloomington, MN
May 22, 2024	?		
June 19, 2024	?		
September 9-12, 2024	GWAC 2024 Conference, name TBD		Anaheim, CA

Future speakers ideas:



Adjourn

GWAC F2F – OATI April 15 – 18, 2024



<https://gridwiseac.org/>

Acting chair Ron Ambrosio called for a motion to adjourn the meeting.

Leonard Tillman gave the motion and Kay Aikin seconded the motion