

Meeting Minutes

Feb. 18, 2026

GWAC Members

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

Ron Ambrosio, Independent Energy
Transformation Professional

Andy Bordine, Sr. Practice Mgr. in Grid
Automation, Actalent

Shawn Chandler, Executive Director, CAPCO and
Chair

Marc Costa, Dir. Policy Planning, the Energy
Coalition

David Forfia, Principal Consultant, Utilicast

Yashar Kenarangui, Xcel Energy

Matt McDonnell, Current Energy Group,
Managing Partner

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

Aaron Snyder, Dir. of Grid Technology
Consulting, EnerNex

GWAC Associates & Emeritus

Mark Knight, Emeritus

Lorenzo Kristov, Emeritus

Ken Wacks, Emeritus

GWAC Guest Speaker

Raymond Kaiser, Chief Innovation Officer, Evoke
Systems

GWAC Friends

Larissa Affolabi

Hawk Asgeirsson

Larisa Dobriansky

Peter Fitzgerald, INS

Chris Irwin, DOE OE

David Holmberg, NIST

Dave LeVee

Alaa Mahjoub, independent Digital Business
Advisor

Bruce Nordman, LBNL

Jeremy Roberts, Green Button Alliance

Tim Schoechle

Ken Wacks, Emeritus

David Wollman, Consultant

PNNL Support

Jaime Kolln, PNNL GWAC Administrator

Susie McGuire, GWAC Coordinator

Grace Borland, GWAC Financial Coordinator

31 attendees

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Recording Notice

To assist with the preparation of accurate notes, the discussions at this meeting are being recorded. The recording will not be used for any other purpose than preparing meeting notes.

The Council Administrator may request guest speakers' permission to post the video of their presentation which, with approval, becomes available on our YouTube channel.

Please respect your fellow attendees and presenters by raising your hand to speak. This also aids in editing of our presenter's videos.

Additionally, the council recently determined by unanimous vote that the use of AI tools and techniques would not be permitted in these meetings.

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Agenda

Call to Order and Roll Call

- Welcome

GWAC Administrative Business

- Minutes
- Upcoming events
- GWAC Accomplishments
- Action Items
- Vice Chair role

Work Product Status Reports

- Grid Arch for Regulators White Paper – presentation from Matt McDonnell
- Applying Grid Architecture Concepts to Bridge Back from the Future Grid
- Grid Architecture Concept Model for Transportation Electrification

Guest Speaker - Raymond Kaiser, Co-Founder & Chief Innovation Officer, Evoke Systems

“An Architecture for Interoperable Flex Load Management,
Insights from EPRI FlexLoad Working Group”

Ballot for Vice Chair and Chair-elect

Future Activities

- GWAC Outreach
 - Planning 2027 GWAC Symposium
- Liaison Reports

New Business

Matt McDonald said that Grid Architecture for Regulators Lorenzo will present today has not yet been circulated. The talk that he will give today is a preview of the content.

Raymond Kaiser will present today on EPRI’s Flex Load Management.

Jamie asked for a motion to approve the January meeting minutes.

Kay Aikin gave the motion, and Marc Costa seconded the motion. There were no edits to the minutes.

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Conferences and Events (UPDATED)

Date	Event	Location	Attend	Speaker	Topic/Notes
Feb. 2-4, 2026	AHR Las Vegas, NV Feb. 2-4, 2026	Las Vegas, NV	GWAC	Bernstein, GWAC Workshop	
Feb. 2-5, 2026	DistribuTECH	San Diego, CA	Aaron Snyder, Jaime Kolln, Farrokh Rahimi		
Feb. 8 – 11, 2026	NARUC Winter Policy Summit	Washington DC	Matt McDonnell		
Mar. 11-12, 2026	RE+ Microgrids 2026	Houston, TX	Jeff Morris (?)		Pre- Conference workshop start Mar. 8
Apr. 6-9, 2026	Middle East Energy Leadership Summit	Abu Dhabi, UAE	Ron Bernstein	Ron Bernstein	Panel participant-Digital Strategies for Corp. Transformation
May 4-7, 2026	IEEE PES T&D	Chicago, IL	Aaron Synder, Jaime Kolln		Power Reliability Eng. Resilience
July 19-23, 2026	IEEE PES General Meeting	Montreal, Canada	Jaime		Powering the Digital Era
July 19-22, 2026	NARUC Summer Policy Summit	Minneapolis, MN			
Aug. 12-13, 2026	RE+ Mid-Atlantic 2026	Philadelphia, PA	Jaime Kolln, Jeremy Roberts		
Sept. 1-3, 2026	T & D World	Orlando, FL			
Nov. 8-11, 2026	NARUC Annual Meeting & Education Conf	Puerto Rico			
Nov. 16-19, 2026	RE+	Las Vegas, NV			Renewing What's Possible
Jan. 6 - 9, 2027	Consumer Technology Assoc. (CES)	Philadelphia, PA			
Feb. 14 – 17, 2027	Tech Advantage 2027/Power XChange	San Diego, CA			NRECA is a host

Jaime Kolln noted that Kim Pires with AHR was very appreciative of GWAC’s participation in AHR 26 even though PNNL was not able to participate. GWAC presenters at AHR 26 were Shawn Chandler, Matt McDonnell, Ron Bernstein. It was one of the best attended GWAC sessions.

Matt said that of the 25 or so people that he spoke with, many are interested in load flexibility and in commercial space more than 75% of the manufacturers that he spoke with that are in the market for large building management loads so pumps, rooftop units, heat exchangers and so on. They all have integrated equipment and protocols that are able to manage load and are actively willing to work with aggregators and utilities in order to offer flexible load services. Some are doing it intentionally where they have a control unit with perspective over all systems within a building and others are doing it on device by device layers. He concluded it was good to see the semantic and syntactic layers being addressed which are critical to our architecture vision.

Shawn Chandler said that he spoke on networked virtual power plants and the opportunity in the U.S. for addressable load. A lot of the research that he used to inform the base case came from the University of Michigan and their sustainability group. The numbers are pretty clear; there are a billion megawatt hours of available load when just considering traditionally used for controllable load annually.

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Matt was impressed by the engagement of the audience even though it was much less grid centered and more focused on the building space. The sophistication of the questions was impressive.

Jaime noted that GWAC has partnered with AHR for ten years. Kim Pires expressed a lot of appreciation for this year's activities. She asked for more material from GWAC for next year's meeting. Ron B. has been our AHR key contact since he attends for another group as well; he will likely keep us informed.

Jaime gave a quick overview of the educational program this year at DistribuTech. He said that the Monday sessions this year were very good, with a lot of standards-based presentations which he appreciated and also discussions on demonstrations and on operational coordination and things of that nature from utilities, and what their approaches are. There might be a good opportunity for something like a maturity model that GWAC can contribute to.

Matt McDonnell said that at the NARUC Winter Meeting he saw themes of on load growth capacity additions, reliability reserve requirements and the like. He definitely noted a lot of attention on DER, DER integration, virtual power plant integration as an emergent and compelling solution to try to address capacity shortfalls. He said it was different than the Winter meeting last year.

Ken Wacks asked if the DER Matt referenced is on-premise in a building or at scale?

Matt said it was both. Among certain subsets of the community there is a perceived product where you have data centers investing directly into what they are styling as virtual power plants. So, distribution connected DER can then offset capacity needs of the interconnecting data center load as it means to facilitate faster speed to power. That is an emergent theme that is gaining traction.

Matt will attend the summer NARUC.

Jaime said we need to look ahead at the year as to where GWAC can be engaged. There is a long list of opportunities where GWAC can be engaged.

Jaime mentioned the RE+ Mid-Atlantic 2026 meeting in August in Philadelphia. He noted that Rhaman is no longer with SEPA, but he has reached out to Jaime and said he would like to continue to work with GWAC in the future. We will work with Aaron Smallwood for the Philadelphia meeting.

Jaime encouraged the Council to note any opportunities for GWAC to engage with groups, meetings and conferences. Contact Jaime and Susie and we will coordinate.

Shawn said he spoke last week with the Atlantic Council. It is a non-partisan organization focused on international affairs and economic prosperity between Europe and the United States. They have an ongoing workshop series concerning the impact of AI and the industry response. He recognized a lot of people on the call that many GWAC attendees would know as well.

He saw an opportunity to work with the innovation group for looking at things from a policy perspective as well as a technical one. It is an on-going group. If anyone is interested in participating in this, please let him know and he will get them connected.

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Jaime suggested that Shawn talk with Mark Ortiz. He said that Mark has expressed concern about some of the challenges regarding data centers and energy parks such as a lack of proper reference design architecture. This could be a future working group and possible white paper.

Marc Costa said that this week there is an energy summit with both California commissions on a handful of transactive energy pilots that included a wider community engagement. He will be presenting on a prosumer network that they have been working on, and he will give a nod to the GWAC in the presentation. There are about four pilots that have concluded ranging from simulation to field deployment. He was very involved. Marc said he is happy to report back on his findings.

Jaime said that he would like Marc to have a chance to present to GWAC an overview of his presentation. Marc could be a future guest speaker this spring.

Marc said he is happy to do that.

Kenarangui, Yashar E  10:21 AM Edited

YK I'll be attending IEEE PES T&D May 4-7, it's already in the list.

Yashar gave an update on his conference attendance.

Action Items

- Send speaker ideas to Jaime Kolln and Ron Bernstein and copy Susie McGuire.
- Website updates
 - New website is live.
 - RE+ conference videos online now
- Shawn Chandler hosted a GWAC meeting on Energy Star. Planning a kickoff meeting to a new meeting series.
 - Kay Aikin, Aaron Synder and Ron Ambrosio participating. Shawn is looking for a few additional participants, please contact Shawn if interested. Plan to kickoff in Q2/26.
- Jaime is looking for GWAC to present at an IEEE conference. Participants?
- Action: Ron Ambrosio will lead a webinar for Back from the Future (Paterson/Aikin)
- Andy Bordine - NARUC opportunity for GWAC.
- Need parter org and location for 2027 Symposium – Farrokh set up a meeting w UoU
- Workshop - Jaime is talking with Seemita Pal about a possible meeting in Portland, OR

Jaime will follow up with Andy Bordine about a NARUC opportunity for GWAC.

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New Vice Chair and Chair (elect)

Jaime then introduced the newly elected GWAC Vice Chair and Chair (elect), Shawn Chandler. Ron Bernstein will be stepping down as chair at the end of this year. He will mentor Shawn into the role.



Ballot for Vice Chair and Chair (elect)



Shawn Chandler
Executive Director, CAPCO

Shawn Chandler gave a brief overview of his career experience. He started out in telecommunications at Microsoft. Then he moved to Portland General Electric where he was involved with the Pacific Northwest Smart Grid Demo. He noted that the Demo was at the time the largest demo of its type and it was the start of Transactive Energy Systems got its start.

- Shawn Chandler hosted a GWAC meeting on Energy Star. Planning a kickoff meeting to a new meeting series.
 - Kay Aikin, Aaron Synder and Ron Ambrosio participating. Shawn is looking for a few additional participants, please contact Shawn if interested. Plan to kickoff in Q2/26.

Shawn Chandler said he is planning to do a kickoff meeting in April about what may be the next work product. It was inspired by changes to the Energy Star program. He said the focus of the work group will be on the impact of energy efficiency as an architectural feature and how it modifies the system. It's a grid architectural artifact – energy efficiency itself.

Action: Change the slide to not say energy star and to say Q3 for Fy26.

Jaime has talked recently with Seemita Pal, PGE, about a GWAC meeting at a PGE location in Portland, Oregon. It would not be a symposium partnership.

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Jaime said Farrokh Rahimi has been gracious enough to set up meeting with the University of Utah for this Friday. We will be talking with them about our needs and what they can provide.

We will also talk with the Univ. of St. Thomas in Minnesota and with the University of South Florida in partnership with the IEEE Florida West Coast Section that Ron Ambrosio has connections with. Ron Ambrosio said that they have expressed a strong interest in hosting the GWAC Symposium. Ron will forward the response from Aaron Smallwood on behalf of SEPA to Jaime.

Jaime introduced Matt McDonnell, who gave a brief overview of the approach to this work and why the group was interested in it.



Systems Thinking for Regulators



Tool in Action: The Iceberg Model

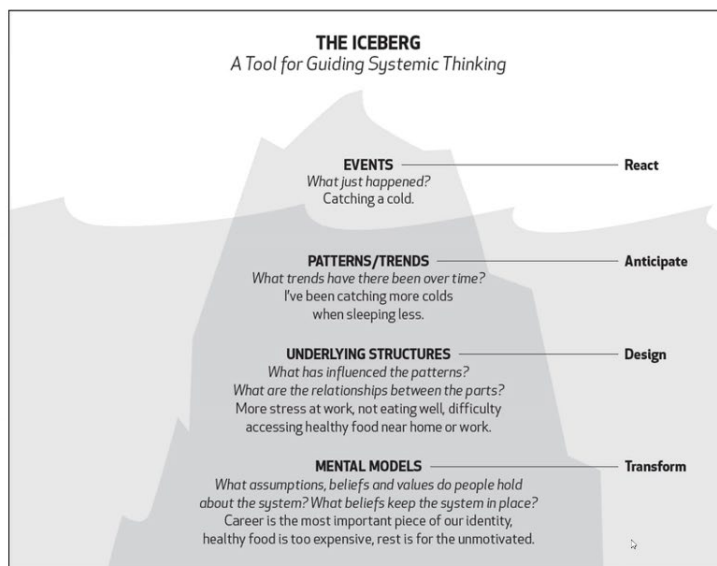


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Applied Systems Thinking Tools + Artifacts



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The Iceberg Model: Resilience Case Study

Events	A wildfire or severe storm has resulted in widespread outages and downed poles at the distribution system level.
Patterns/Trends	Frequency of wildfires and extreme weather events is increasing; Customer outage frequency and duration increasing; costs for storm/wildfire recovery putting upward pressure on rates
Underlying Structures	Climate change is driving more frequent extreme weather events. Grid hardening drives up costs while offering suboptimal performance. PSPS mitigates wildfire risk, but it also disrupts customers and safety in other ways. Like-for-like replacement rules lead to the same asset types being built and knocked down repeatedly.
Mental Models	Traditional focus on 'grid reliability/resilience' rather than energy service reliability/resilience. Top-down, traditional approaches are increasingly fragile and flawed; bottom-up approaches, centered on the end-use customer, enable continuity of energy service even when the macrogrid is down.

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Matt said that the thought process behind this white paper is to build communication pathways between organizations like NARUC and among commissioners. The paper will help to advance thinking about what good regulation should look like.



Three Types of Policy Problems

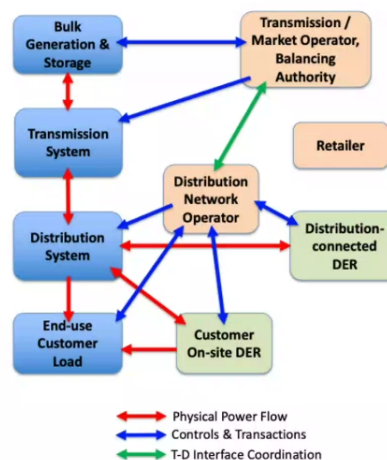
- **Simple:** Best practices work (e.g., energy efficiency standards)
- **Complicated:** Expertise + analysis solve it (e.g., transmission planning)
- **Complex:** Emergent, whole-of-system solutions required (e.g., grid modernization, DER integration)

Utility regulation is increasingly *complex* – but we keep using ‘complicated’-problem tools



Applying Whole-System Perspectives to DER Integration

- The green boxes for distribution-connected (FOM) DER and customer on-site (BTM) DER have red arrows associated with them, showing that they are part of the physical energy flows
- Most of the red arrows are now bi-directional, indicating that power can flow in either direction
- The pre-DER system’s clear separation between the supply side and the demand side (Figure 1) no longer exists, now that energy supply can be anywhere in the system
- The distribution network operator now has required interactions with both types of DER
- A green bi-directional arrow is added to represent T-D interface coordination between the DNO and the TSO
- The bulk generation box (top left) now includes bulk storage; this is not a consequence of DER, but is a technology development occurring concurrently with DER, which is why its red arrow is now bi-directional.



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Matt added that they want to understand how all the layers need to evolve.

Lorenzo explained the structure diagram. He said we want regulators to start asking different questions about how these things are going to work and we also want them to start to see the interrelationships in which the existence and presence of DER now really affects the other parties in the system.



Systems Thinking for Regulators: Core Principles (1 of 2)

- **Horizontal + Vertical Whole-System Perspectives**
 - Think across silos (horizontal)
 - Inquire beneath observed events (vertical)
- **Interconnections + Interfaces Matter**
 - Pay attention to the seams
- **Feedback Loops Drive Behavior**
 - What you measure and reward determines how the system behaves
- **Emergence Happens**
 - Expect the unexpected
- **Boundaries Create Clarity**
 - Roles must be defined, but flexible

Dave LeVee 10:37 AM

DL Regulators have historically evaluated utility actions based upon cost minimization. This is "wrong" and based upon customers not having the demand elasticity. Should be "customer value", the greatest distance between customer indifference to consumption (options etc.) and price paid.

Matt said we really want to be encouraging both horizontal and vertical whole system perspectives when it comes to regulatory decision making. We need to emphasize that interconnections and interfaces matter.

Bruce Nordman asked about communication and the internet and how it informs. He said we have an example of a system that has changed dramatically in recent decades for the better and that is communications technology. He asked if they are looking for any inspiration from the architecture of the internet and how that informs and how we should think about the architecture of electricity systems?

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Matt said in general yes but not in the context of this work. The group really doesn't go to great lengths to unpack that specific example. He encouraged Bruce to take a look at how they have laid out the work. They have already started to lay some foundation and explore a sort of regulatory policy informal committee what might be next for a work product next year. Along those lines we're starting to home in on the need to identify advanced grid functions and needs including analogous evolutions including the telecom space.

Along those lines the group is really starting to home in on a need to identify advanced grid functions. If we talk about evolving towards those advanced grid functions and the needs in that area, we can find some important analogous evolutions including the telecom space.

Bruce replied that in the old system with phones on the grid, the network ended at individual devices and of course with the new system with Internet Technology, the wide area network ends at the modem and the local area network is distinct. He said that what that could suggest is that rather than DER's being part of the grid, the customer demarcation point is really at the point of coordination, not the individual device. It's a different way of thinking about it. He said he feels this idea should be considered because he sees it as a better approach.

Lorenzo added that GWAC is trying to be careful to provide some teasers that are easily and intuitively graspable. Then the group can follow up with a product that will go into more depth.

Jaime noted that Matt has been working on grid services topics for a long time and is very familiar with ESI concepts. He noted that Bruce was involved with original GMLC work that was the foundation of the GWAC. He said that he can see lots of complementary opportunities for them in this area.

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Applying Grid Architecture Concepts to Bridge Back from the Future Grid

Building on the previous GridWise Architecture Council work products, this document attempts to provide a rationale for operators, planners, developers, integrators, and policy makers to explore a Bridge Back from the Future approach to develop transition plans 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 FY26, with mid April publication.

- Mark Patterson has a full draft published to the team.
 - Meeting to discuss the drafts and any feedback on February 4th.
 - Committee : **Mark Paterson**, Marc Costa, Ron Ambrosio, David Forfia, **Kay Aikin**, Lorenzo Kristov, Farrokh Rahimi, Aaron Snyder, Shawn Chandler, Nicholas Domich
 - 2:00 PM PT/ 5:00 PM ET Thursday 2 times 1st and 3rd Thursday of the month
- Final draft to be reviewed Dec 1 – and begin infographic. Attempting to be complete by Jan 1

Kay said the group is meeting tomorrow. Kay has edits and others may as well.

Mark Patterson is using Google docs for the drafts but unfortunately, Kay can't access it. Jaime offered to be the intermediary.

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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 has been underway since Q4/24 and is on target to be completed FY26.

- 15-20 page whitepaper
- Committee: Jaime Kolln, Ron Cunningham, Farrokh Rahimi, Mark Ortiz, David Forfia, Aaron Snyder, Lorenzo Kristov, Bhaskar Mitra, Paul DeMartini, Shawn Chandler
- 1:00 PM PT/ 4:00 PM ET, 2nd and 4th Tuesday of the month
- Final deliverable date of May 30, 2026

Shawn noted where progress has been made, hoping to have this one done by end of April.



Guest Speaker: Raymond Kaiser, Evoke Systems

An Architecture for Interoperable Flex Load Management

Insights from the EPRI FlexLoad Working Group



Raymond Kaiser is the Co-founder & Chief Innovation Officer, Evoke Systems, an EV Charge Network Operator. He has been involved in the design, development, and/or deployment of Distributed Energy Resources (DER) and microgrids for 20+ years. He is a frequent speaker on EV charging, DER standards and protocols at energy conferences, workshops and seminars. Currently he chairs the Electric Power Research Institute (EPRI) FlexLoad Management working group which seeks to accelerate the integration of behind-the-meter energy resources into grid operations.



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Guest Speaker – Raymond Kaiser



GRIDWISE Architecture Council

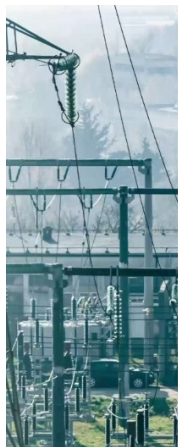
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EPRI ELECTRIC POWER RESEARCH INSTITUTE

FlexLoad Integrated Coordination & Control Architecture (FLICCA)

An Open Standards Approach to EV Managed Charging & DER Coordination @ Scale

eVoke



Agenda

- Background on EPRI FlexLoad working group
- The Flex Load Opportunity
- The Challenge
- The Approach
- FLICCA - A FlexLoad Integrated Coordination & Control Architecture
- The Real-world
- Next Steps

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1. Background



September 2024

EPRI launches the DER FlexLoad Working Group

- **Stakeholders:**
20+ utilities, EPRI key staff, national energy lab researchers, and industry solution providers
- **Mission:**
Identify key gaps and challenges in enabling flexible load management
- **Scope:**
Entire energy value chain—from end users and DER owners, third-party aggregators, utilities, ISOs/RTOs.

Focus: Seamless integration of DC Fast Charging stations & onsite DER into utility planning and operations



Load Management Use Cases

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. Fixed Limit load <ul style="list-style-type: none"> • Sublocation/Service Panel • PCC 2. Dynamic Load Limit <ul style="list-style-type: none"> • PCC include onsite DER/BAS integration 3. Economic Load Limit <ul style="list-style-type: none"> • TOD/Seasonal • Reduce Demand Charges • Encourage load 4. Dynamic Operating Area <ul style="list-style-type: none"> • At substation or individual feeder or circuit 5. Demand Response <ul style="list-style-type: none"> • Entire service territory • Load zone or feeder | <div style="display: flex; align-items: center;"> <div style="font-size: 3em; margin-right: 10px;">}</div> <div>Aggregate load at the PCC</div> </div>
<div style="display: flex; align-items: center;"> <div style="font-size: 3em; margin-right: 10px;">}</div> <div>Aggregate load at the PCC & within a coordination area</div> </div> |
|--|---|

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3. The Challenge



Limited visibility

Utilities lack sufficient real-time telemetry and control over EV charging loads, resulting in limited situational awareness and delayed operational response.



Lack of predictability

Uncertainty about EV charging availability and customer behavior makes it difficult for planners and operators to forecast flexibility and confidently rely on EVs for grid services.



Suboptimal flexibility

Without visibility and accurate forecasting, EV charging cannot be orchestrated optimally. This undercuts its ability to provide grid services such as demand shaping, capacity relief, and contingency response.

BARRIERS



Utilities lack the visibility, communication, and control capabilities required to utilize DERs most effectively for grid services. Dispatch signals are not always automated, increasing the effort to use DERs and leading to underutilization.

Grid planners do not sufficiently consider DERs as a solution in distribution system planning given uncertainties in customer behavior and long-term adoption. Lack of performance data and advanced software/forecasting capabilities mean planners find it difficult to estimate whether there is enough flexibility potential in a location for it to be a solution to near-term grid needs.

Lack of interoperability and connectivity among potentially flexible devices creates additional retrofit costs and challenges in realizing full potential participation in flexibility programs.



4. The Approach

EPRI | ELECTRIC POWER RESEARCH INSTITUTE

Managing Flexible Load and Distributed Energy Resources at Scale

FLICCA: Secure, Standards-Based Architecture for Grid Coordination and Reliability

An open, standards-based framework developed by EPRI to enable real-time visibility, predictability, and coordinated flexibility across electric vehicle charging and distributed energy resources.

THIS IS A PRE RELEASE VERSION (0.9)

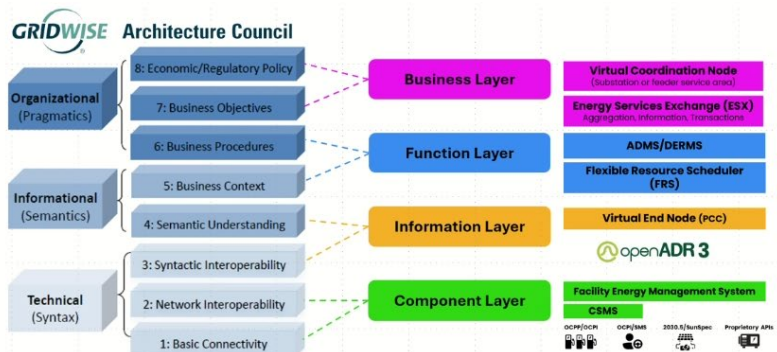
This draft of the FLICCA Guide is being shared for broader review and input. We warmly invite comments, suggestions, and perspectives from utilities, researchers, solution providers, and other stakeholders. Your feedback will help refine the framework, strengthen its practical value, and ensure it reflects the collective expertise of the community before final publication.

Please send any comments or feedback to raymond.kaiser@evokesystems.com.

Lead Author
Raymond Kaiser, CIO & Co-founder, Evoke Systems, Chair of the EPRI FlexLoad Working Group

Co-Authors
Kay Allen, CEO & Founder, Dynamic Grid
Mark Knight, private consultant and GridWise Architecture Council, Emeritus Chair

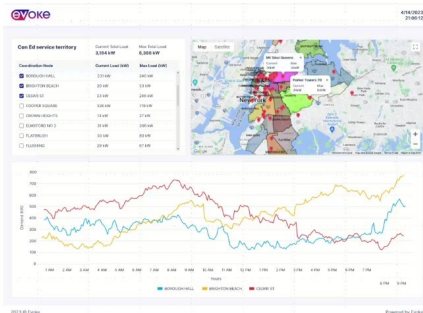
- A services oriented GWAC-based architecture
- Leveraging ecosystem of existing standards
- EV Charging as a meta-Use Case



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Realtime Visibility by load zone



- 2500 EV chargers
- Aggregate load in 82 load zones every 15 minutes
- Based on OpenADR 3

eVoke

In short:

Open standards for EV charging

visibility,
predictability
& flexibility

are deployed
at scale

today

EPRI | ELECTRIC POWER RESEARCH INSTITUTE

EPRI FlexLoad Guide
to be published March 2026

eVoke

The group had numerous questions and comments.

Jaime said any node can be an ESI. Anyplace there is a boundary there can be a negotiation.

Raymond replied that to really make it happen you need to know the boundary conditions.

Jaime also referred to some work at NAESB on what could become a universal registry.

Raymond noted a new CPUC order.

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Raymond will send GWAC a link to the paper when it is published.

[IEEE SA - IEEE 1815.2-2025](#) Jaime Kolln posted a link to a new standard IEEE Standard Profile for Communications with Distributed Energy Resources (DERs) Using IEEE Std 1815(TM) [Distributed Network Protocol (DNP3)].



GWAC Outreach

- Upcoming Events with GWAC presence
 - RE+ Mid Atlantic August 12-13 in Philadelphia.
 - Jaime Kolln, [David Forfia](#), [Ron Bernstein](#), Kay Aikin, [Aaron Snyder](#), [Peter Fitzgerald](#) – Please confirm. Yashar is a maybe, no for Ron A, Farrokh, Marc C, Mark O, Andy B. Maybe F2F meeting too?
 - AHR Expo
 - Other presentations?
 - Webinars – volunteers needed.
 - March "Bridging Back"
 - May "for Regulators"
 - July "Transportation Concept Model"
- Outreach through other conference presentations
 - Slide deck developed with template and GWAC outreach slides.
 - "Building Back from the Future" deck is available to Council and Associates.
 - NARUC meeting colocation? Andy and Jeff – Can we get on the Summer Meeting Agenda?
- Other organizations to "cross-pollinate" ideas with.
 - Identify liaison volunteers, e.g., INCOSE

Jaime asked who is planning to attend the SEPA meeting in Philadelphia, PA August 12-15 for the RE+ meeting. GWAC is planning to host a seminar or tutorial on the first day of the event.

Shawn Chandler, Peter Fitzgerald, and Jeremy Roberts said they are planning to be there.

Ron Ambrosio and Ron Bernstein will not be able to attend.

Work Products

Jaime checked with the lead authors on expected white paper due dates.

Ron Ambrosio said the Bridge Back paper will be done in the April timeframe. He has some conflicts in March.

Matt and Lorenzo said they expect the Regulators paper to be complete in the May timeframe.

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Shawn Chandler expects the Transportation Concept Model paper to be completed in July.

July Transportation ppt – Shawn is working on that

Jaime said the plan is to record the presentations live with an invite to the public. We will try to get a good audience through LinkedIn posts socialized in advance.

GWAC Symposium



GWAC Symposium 2027

26-Jan	26-Feb	26-Mar	26-Apr	26-May	26-Jun	26-Jul	26-Aug
Initiate symposium project	Identify venue	Prep call for content	Issue public announcement		Lock in keynotes		Open registration
Identify partner	Identify budget	Establish rules for review process	Initiate keynote search		Review content		Marketing
			Hold face-to-face planning meeting (Nashville or Boston)				
26-Sep	26-Oct	26-Nov	26-Dec	27-Jan	27-Feb	27-Mar	27-Apr
Define logistics	GWAC content - work products and future direction			Speaker slides due	Create printed material	Event	
Establish staff roles and responsibilities	Hold face-to-face planning meeting (Portland, Maine)			Event Logistics			Post event follow up Videos Upload presentations

Marc asked if the choice of a venue would be correlated with the choice of partner for the symposium.

Jaime said that some ideas have been put forward but are still working on selecting and confirming.

Aaron Synder suggested Tech Advantage, an NRECA hosted event. The location would be near Nashville, Tennessee.

Jaime said that a big room that could hold 125+ people and another breakout room for 75~ would be needed. He added that GWAC should have plenty of material on hand from previous presentations

Meeting Minutes

Feb. 18, 2026

Ron Bernstein volunteered to be the event chair.

We have volunteers but no roles have been assigned yet.



GWAC Symposium March 2027

Symposium Focus and Content					
Roles	Volunteers	Actions	Topic		Notes
Event Chair	Ron Bernstein				
Planning Committee Member	Farrokh Rahimi				
	Ron Ambrosio				
	Mark Ortiz				
	Matt McDonnell				
	Andy Bordine				
	Ron Chebra				
Identify Partners					
Identify Partners	Jaime Kolln	Smart Grid Observer	Capability to host? Accounting?		
Identify Partners	David Forfia/Ron Ambrosio	SEPA/RE+	Capability to host? Accounting?		Handle registration fees. Oregainze AV and food and bev.
Identify Partners	Ron Ambrosio	IEEE Local Section	Capability to host? Accounting?		
Identify Partners					
Identify Location	Jaime Kolln	University of St Thomas	Capability to host?		
Identify Location	Ron Chebra	Jersey IEEE Local Chapter	Capability to host?		
Identify Location	Farrokh Rahimi	University of Utah	Capability to host?		
Identify Location	Ron Ambrosio	University of South Florida Seminole Power	Capability to host?		125+ People with 1 large and another 50%+ room
Identify Location	Ron Chebra	Swensen (Cosponsored by Eaton)	Capability to host?		

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GWAC Symposium 2026

Main Topics:

Three existing work products

Additional Topics:

Energy Parks – systems being built out prior to being interconnected.

- Multi customer energy parks and regulatory challenges

Where:

Legacy – smart grid northwest/grid forward, IEEE,
RE+ Regional events

Key Details:

- Sponsorships need to be identified early
- Paid event to fund the management/organization support of the event
- Council Members Participating in the Organizing Committee
- At Least 4 Council Members
- Call for participation is the kickoff; it will include a timeline of due dates for presenters.
- PNNL Event Planning staff budgeted and identified.

Topics:

- Three existing work products

Jaime, Susie and Vanessa will look at what aspects PNNL could help GWAC cover.



Liaison Reports

- NIST – ?
- Green Button – Jeremy Roberts
- EPRI – Ben Ealey
- IEEE PES – Farrokh Rahimi
- ASHRAE, DLC (Design Lights Consortium) – Ron Bernstein
- ISO/IEC, IREC, CTA – Ken Wacks
- SEPA – Aaron Smallwood
- NARUC – Jeff Morris
- GridWise Alliance – Shawn Chandler

- *Are there other organizations we should be hearing from?*

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NIST – Dave Wollman; Dave said that the NIST 800-82 guide to OT security will be updated. It will go out for public comment through Feb. 23, online. He provided a link: [Call for Comments on NIST SP 800-82, Guide to Operational Technology \(OT\) Security | NIST](#)

Green Button - Jeremy Roberts; Jeremy said that meeting registration is not open just yet. Anyone can participate. It will be held May 21, 2026, as a virtual meeting. He provided a link to the meeting: [Green Button Alliance's Annual General Meeting 2026 - Green Button Alliance](#)

IEEE PES General Meeting 2026 – Farrokh is setting up a panel. Jaime Kolln will be a panelist. One of the panels is on operational coordination.

ISO/IEC -Ken Wacks' we are developing a proposal for online database and registry to support our standardized lexicon of connected devices. The lexicon is intended to promote interoperability among products from a variety of manufacturers. We are considering a formal online metadata registry using XML since it supports metadata attributes, and comments.

We are also considering proposals for developing strategies using the energy management agent, which is now an international standard for in home energy management or in building energy management.

CTA – Ken Wacks; We're lining up speakers for resuming meetings.

IREC Customer Grid Edge (CGE) is continuing work on developing Version C of ANSI CTA 2045, the Modular Communications Interface for Energy Management.

Ken replied to Shawn Chandler that to be a part of the ISO/IEC international working group – you have to join the US technical advisory group first. He will give Sean some information about that.

EPRI – Ben Ealey; The interoperability working group that formed recently had been working on export capable DERS. They found that some test labs were testing inconsistently when they were looking at protocol implementations as well as other interoperability. All the requirements in 1547 so they have now launched another working group that will pull all test labs in. They are doing certifications. They are trying to understand where some of the gaps are and where changes should be made or other changes needed to fix the issues.

The new group meets the day before the interoperability group, on Wednesday's each month in the afternoon. The meeting will be tailored to facilitating conversation. It's open to anyone. Reach out to Ben if you would like to participate.

Shawn Chandler - GridWise Alliance; There is a GridWise Alliance meeting on the WRIS electric school bus initiative following this meeting today.

Most of the meetings have an interesting tie in with GWAC in the technical area. They have a technical council and a policy council. The policy council meets on Friday. Shawn will attend that and he has a friend who will attend the technical council, so he plans to report on both meetings for the next liaison report.

